

THE ART OF USER-CENTERED DESIGN FOR INTERNAL TOOL TEAMS

UBISOFT CONNECT

22.08.2022

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THE MINDSET

Learn about our Tool history: Stop history from repeating itself.

THE TEAMWORK

Understand the user-centric design mindset.



THE FRAMEWORK

Develop your own user experience design, research and development framework.



4

IN THE SEA OF UX

How can we solve the problems? Which methods to use when? Explore the art of UX

THE EVALUATION

Track your improvements over time with PURE



THE ART OF UCD

How to optimize the experience around the internal tool

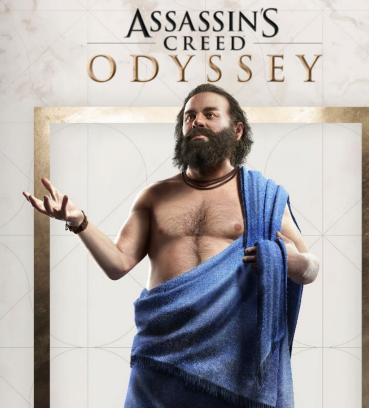


TEAMWORK

FRAMEWORK



[T]hough I have no drachmae to give. Only knowledge, which one should prefer for it is perpetual, not transitory.



ΣΩΚΡΑΤΗΣ SOKRATES

NATALI PANIC-CIDIC

User Researcher - Ubisoft Düsseldorf UXR Operations | Ubisoft Connect

Background

PhD Candidate Game User Research – Cologne Game Lab x RWTH Aachen Cognitive Studies M.A. – RWTH Aachen University Game Studies B.A. – HHU University Düsseldorf

Conferences, Publications & Credits







PART 1

THE MINDSET

Learn about our Tool history. Stop history from repeating itself.

ABOUT UBISOFT CONNECT

Ecosystem of player services & a game launcher

FOR DEVELOPERS

A self-publishing platform

FOR LIVE OPERATIONS

Release management & content distribution

FOR BUSINESS Digital distribution platform

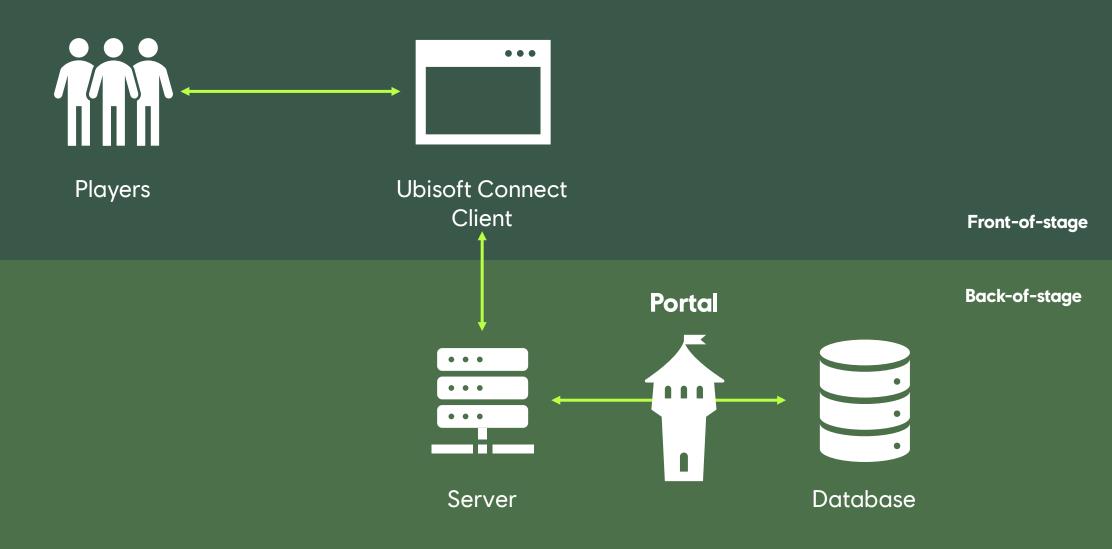


6666 Rainbow Six Extraction [Ubisoft Connect] [©]										
Dashboard Settings Branches Association	s Store In-game store Statistics	meta data								
Product health	Packages		Note		Product summary					
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MEET PYLON 2.0

PYLON IS A WEB TOOL TO MANAGE ALL PRODUCTS AND PRODUCT RELATED CONTENT OF THE PC CLIENT.

BASIC DATABASE STRUCTURE EXPLAINED



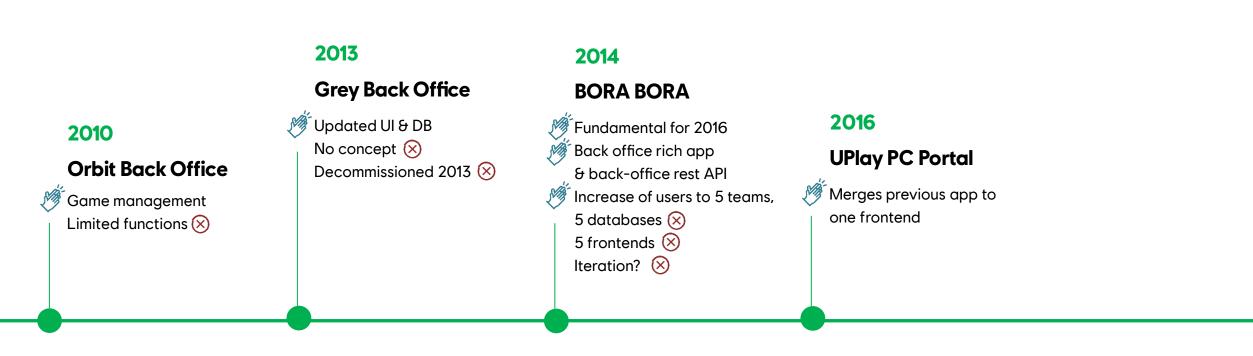
6666 Rainbow Six Extraction [Ubisoft Connect] [©]										
Dashboard Settings Branches Associations Store In-game store Statistics meta data										
Product health	Packages Total: 27 items Including game All ID ↓ State 55555 Internal OC test 3 Playable	Note Previous internal code names: Pioneer Quarantine Main Development Studio: Ubisoft Montreal	Product summary 32 6 6 27 Addon Consumable Consumable Package pack							
Build / branch info. 66.66GB Active build: name Default branch: 666 live	44444 Rainbow Six Extraction - 100 PACK Playable 44443 Rainbow Six Extraction - 1000 PACK Playable 44442 Rainbow Six Extraction - Language PACK Playable		History Q. Search a name/branch number Updated Branch 17616 - 6 Game settings and + 10 more items 2021 09 29 080117 John Smith							
Live / Edition Info.	44441 Rainbow Six Quarantine - Technical test Playable 44403 Rainbow Six Extraction - Event 03 Playable 44402 Rainbow Six Extraction - Event 02 Unavailable 44401 Rainbow Six Extraction - Event 01 Unavailable 44401 Rainbow Six Extraction - Event 01 Unavailable 33333 Rainbow Six Quarantine - Technical test 3 Playable 33332 Rainbow Six Quarantine - Technical test 2 Playable 33331 Internal QC test 2 Expired 33330 Internal QC test 1 Expired 22222 Rainbow Six Extraction - A PACK Playable	Contacts Main development Team John Smithgoubisoft.com Account manager Mary.Janegoubisoft.com	Updated Branch - 19123 - 3 Assets and + 19 more items 2021-04929 080117 John Smith Updated Branch - 19123 - 4 Assets and + 19 more items 2021-04929 080117 John Smith Updated Branch - 19980 - 2 Color theme and + 19 more items 2021-04929 080117 John Smith Updated Branch - 19980 - 2 Color theme and + 19 more items 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Updated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Didated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith Didated [Tab] - [10 of tab list] - # item name 2021-04929 080117 John Smith							

MEET PYLON 2.0

Pylon is used across five teams to manage:

- Games & Packages
- Build & Branch Management
- Live events & promotions
- Clients & Services (Rest API & Edge Services)
- Announcement & Release Management
- Ownership Management for players

A DECADE OF PYLON





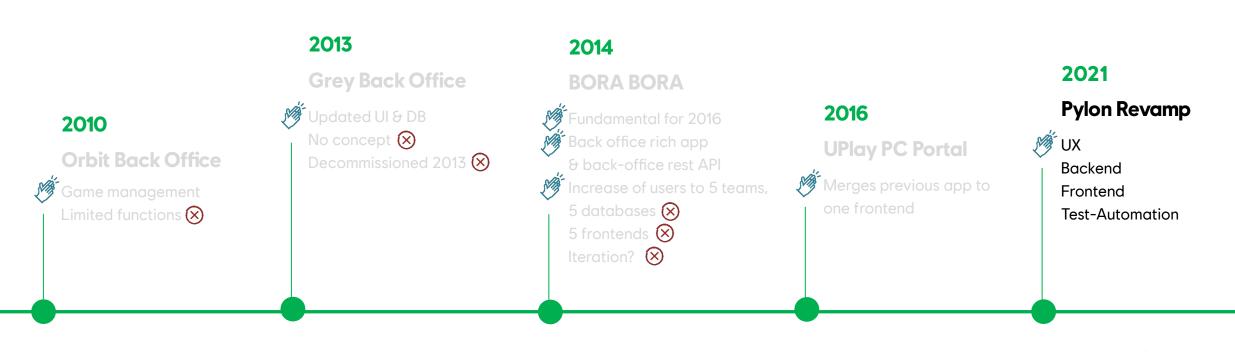
THE PROBLEM

FUNCTION, BUT NOT USER FRIENDLY LACK OF USABILITY PRONE TO HUMAN-ERRORS



USE OUR TOOL WEEKLY TO DAILY

A DECADE OF PYLON



features 🚫 issues

BE USER-CENTRIC. THE KEY

PART 12 THE **TEAMVORK**

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- Start

the

Understand the user-centric design mindset

EPIC FAIL

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WHO CARRIES THE RESPONSIBILITY FOR USER-CENTERED DEVELOPMENT?



WHAT IS USER-CENTRIC DESIGN?

WE TAKE CARE OF THIS MINDSET TOGETHER



RESEARCH

Learn about your users, their pain points, and objectives



EMPATHY

Use your research insights and humanity to understand your users S

ITERATION

Constantly evaluate & improve your product approximate over define

MEET OUR TEAM

TOOLS ARE ONLY HALF AS USEFUL IT THEY'RE NOT USED COLLABORATIVELY



INTERNAL TOOL TEAMS

Internal tools are developed and utilized within a company a solution is being built in. These internally-facing software solutions are highly tailored to the processes an organization has.

CHALLENGES



VISIBILITY

Fighting against forgetfulness in the sea of internal tools

DEDICATED RESOURCES

Man-power availability

MAINTENANCE

Adapting the tool to the company mandates

SECURITY

Securing the line between players-database-internal users

PART 13

THE FRAMEWORK

Develop your own user experience design, research and development UXR framework.

WHAT IS A FRAMEWORK & WHY DO YOU NEED ONE?



Add structure

Provide necessary steps & methods

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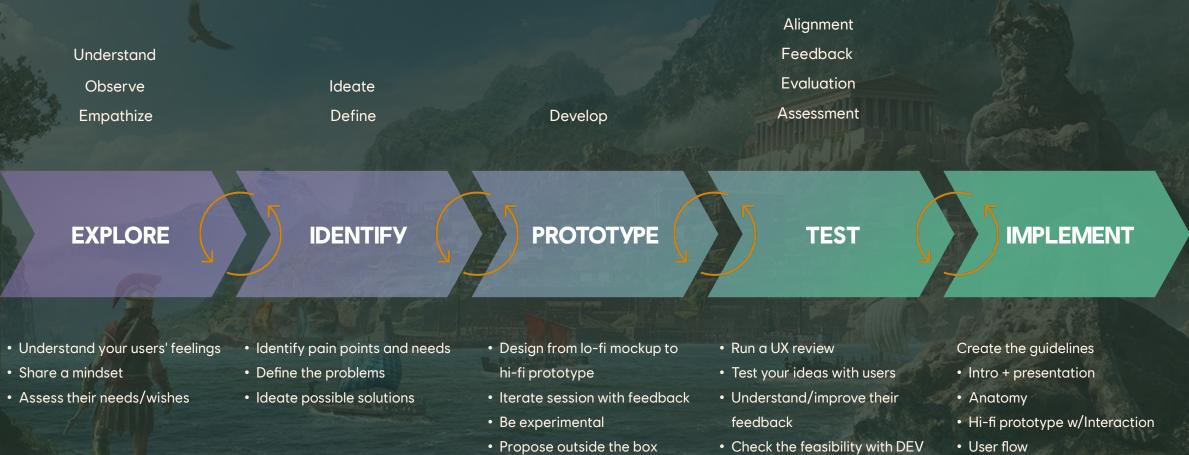


Guide with prioritization

Key player towards usercentricity

USER EXPERIENCE RESEARCH (UXR) FRAMEWORK

UXR FRAMEWORK



- and the second
- Error cases
- Version history
- etc

• Test the solution with QC/QA

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1ST ITERATION

Very first UX Framework

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METHOD	User Interview	ldentify and select feature for rework	User observation	PURE evaluation 1st	Draft Mock-up	DEVs-review	Heuristic Evaluation by UX Experts	Mock-up iteration 1st	UI designers' review asset support	Mock-up iteration 2nd	Us (Re
DELIVERABLE	User interview analysis severity score board (excel)	Selected feature user journey (optional)	Video / interaction steps break-down w. recording (excel)	PURE scorecard on current ease of use	Lo-fi mockup	Feedback from devs (excel)	Expert evaluation with concrete UX Improvement suggestions	Mid-fi prototype (interactive)	Feedback on UI Request visual assets to be delivered by UI designers	High-fidelity prototype (interactive & production quality)	Use Res (op etc
ADVOCATE (who's driving the process)	UX designer & Product Owner (+UR)	UX designer & Product Owner	UX designer (+UR)	UX designer	UX designer	UX designer	UX designer	UX designer	UX designer	UX designer	UX (+l
SUPPORTERS/ PARTICIPANTS	Users		Users	UX designers (min. 3)		Devs in Pylon team	UX designers (min. 3)	UX designers (for peer review)	Users	UX designers UI designers	Us
PREPARATION	- Questions			- PURE onboarding - Videos (from user observation) - Interaction steps		- Questions for feasibility	- Questions		sending out email to Ul designers as below: - prototype - restrictions - specs - asset/icon requests	- Questions	- A - Ir an

THE MANY ITERATIONS

Based on user-centric mindset of iteration, the framework has undergone three.

Where to start? Consider various testing methods, forms of deliverables, advocates of individual steps, stakeholders and if any additional preparation steps are necessary.

метнор	User Interview	Identify and select feature for rework	User observation	PURE evaluation 1st	Draft Mock-up	DEVs-re
DELIVERABLE	User interview analysis severity score board (excel)	Selected feature user journey (optional)	Video / interaction steps break-down w. recording (excel)	PURE scorecard on current ease of use	Lo-fi mockup	Feedbaa (excel)
ADVOCATE (who's driving the process)	UX designer & Product Owner (+UR)	UX designer & Product Owner	UX designer (+UR)	UX designer	UX designer	UX desi
SUPPORTERS/ PARTICIPANTS	Users		Users	UX designers (min. 3)		Devs in
PREPARATION	- Questions			- PURE onboarding - Videos (from user observation) - Interaction steps		- Questi feasibili

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Revamp start 08/2020

The first framework iteration with the goal of systematically approaching the revamp process.

2ND ITERATION

UX+UR Framework Proposal

Main User Research Testing Loop

METHOD	User Evaluation	Long-Term Plan	User Feedback/ Research	Usability Testing (existing platform)	Draft Mock-up or Prototype for Feature N	Usability Prototype Testing	Analysis of Test Results	Re-Iteration of Design	Peer review	Hand-over to DEV
DELIVERABLE	Assess usability of the portal, derive features that need change	Identify critical features across the platform for rework	Know pain points of target users / know their needs	(New) problems identifie / confirmed	d Lo-fi mockup or prototype of the newly proposed feature	Feedback on usability of a proposed prototype	Confirmation/ Rejection of UX solution, next steps	Iritial prototype is itrated and prepared for peer review	Feedback on UI Request visual assets to be delivered by UI designers	RefinedUI/UX guideline
ADVOCATE (who's driving the process)	User Researcher UX designer PO	User Researcher UX designer PO	User Researcher UX designer	User Researcher UX designer	UX designer	User Researcher	User Researcher	UX designer	UX designer	UX designer
SUPPORTERS/ PARTICIPANTS	Users		Users	Users	UX designers UI designers	Users			UX designers UI designers	
PREPARATION	- Define all possible taks w/ all possible interactions & branches in the portal	- Create epics based on PURE findings, break down into stories/features		- Tasks given to users are those from the PURE prep		- Define tasks + story setting - Intvite users - prepare a feedback survey on ease of use			sending out email to UI designers as below: - prototype - restrictions - specs - asset/icon requests	N.

3RD ITERATION

UX+UR Framework Proposal

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Main User Research Testing Loop

METHOD	User Evaluation	User Feedback/ Research	Identify and select feature for rework	Usability Testing (existing platform)	PURE evaluation 1st	Draft Mock-up or Prototype for Feature N	Usability Prototype Testing	Analysis of Test Results	DEVs-review	Heuristic Evaluation by UX Experts		M 1s
DELIVERABLE	Assess usability of the portal, derive features that need change	Know pain points of target users / know their needs	Selected feature user journey (optional)	(New) problems identified / confirmed	PURE scorecard on current ease of use	Lo-fi mockup or prototype of the newly proposed feature	Feedback on usability of a proposed prototype	Confirmation/ Rejection of UX solution, next steps	Feedback from devs (excel)	Expert evaluation with concrete UX Improvement suggestions	Main User	M (ir
ADVOCATE (who's driving the process)	User Researcher UX designer PO	User Researcher UX designer	UX designer & Product Owner	User Researcher UX designer	UX designer	UX designer	User Researcher	User Researcher	UX designer	UX designer	Research	U
SUPPORTERS/ PARTICIPANTS	Users	Users		Users	UX designers (min. 3)	UX designers UI designers	Users		Devs in Pylon team	UX designers (min. 3)	Testing	U) pe
PREPARATION	- Define all possible taks w/ all possible interactions θ branches in the portal			- Tasks given to users are those from the PURE prep	- PURE onboarding - Videos (from user observation) - Interaction steps		- Define tasks + story setting - Intvite users - prepare a feedback survey on ease of use		- Questions for feasibility	- Questions	Loop	



THE ODYSSEY SO FAR

- It takes iterations to find your solution
- Discover more efficient workflows
- Create overview by streamlining data
- Guide towards user-centricity
- The art of UCD lies in the right mindset, teamwork, & framework

PART 3

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How can we solve the problems? Which methods to use when? Explore the art of UX

THE EVALUATION

Track your improvements over time with PURE





MIHYUN KO

UX Designer – Ubisoft Düsseldorf Online Services | Ubisoft Connect

Degree

Integrated Design BA – Cologne International School of Design Visual Communication Design BA – Yonsei University

Career

Leezm Interactive – UX designer for Samsung devices (NOW) Ubisoft – UX designer for Pylon ©

Certificates & Conferences



AME DEVELOPERS

THE SEA OF UX

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PART 4

How can we solve the problems? Which methods to use when? Explore the art of UX

CASE STUDY

Promo tab UX revamp

WHAT IS A 'PROMO TAB'

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Live event/ promotion setting page

- Main user group: Live Ops
- Settings for localized strings/URLs for each country
- Some IDs to connect with other internal tools
- Set up the release date
- Set up the releasing country list
- Save settings for testers

HOW CAN WE UNDERSTAND USERS? AND HOW CAN WE MAKE THEM HAPPY?

- = what is users' (hidden) pain points
- = what is users' (hidden) needs
- = how users feel about the product/process

HOW CAN WE UNDERSTAND USERS? AND HOW CAN WE MAKE THEM HAPPY?

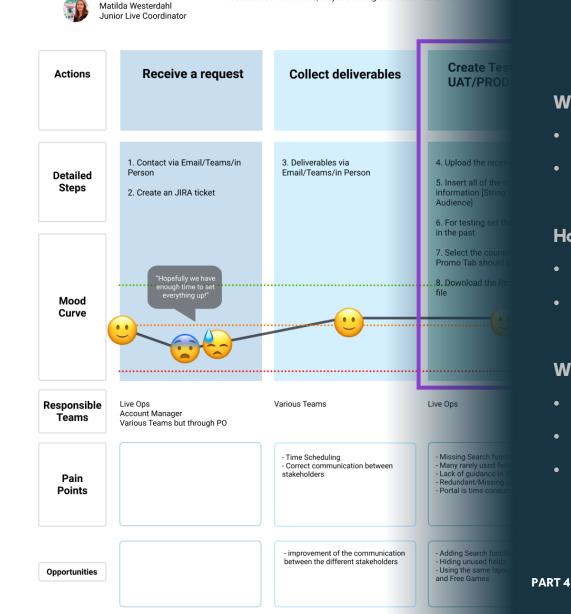
User Journey Map Creating Promo Tab

Interviewers



Scenario / Goal:

The Live Coordinators want to create a new Promo Tab for testing. After the test has been confirmed, they are setting the Promo Tab to live.



User Journey map

Why this method?

- To understand the context of the task
- To sympathize the sentiment changes

How to

- Gather the information about how users use the Pylon
- Identify touchpoints, steps, and sentimental info. for mapping

What can we learn

- Get to know context/stakeholders of the task/usage of the product
- Find out pain points/needs/motivations
- Visual outcome to communicate within the team

IN THE INTERVIEW, USER SAID...

They are happy with our product. No problem to work with!

BUT...

We asked more in-depth questions... and observed more how users work in reality...



User observation

How to

- Take the notes how user execute the task
- Ask user 'describe/say loud your thinking' during the process
- Minimize interruption during the process
- Find the point that users feel uncomfortable

What can we learn

- Hidden pain points
- Sentiment check during the task
- Realistic detailed obstacles for user's task

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Interaction step

Why this method?

- To quantify the observation result
- To analyze from very detail to mandatory task(macro view)

How to

- Record the whole process how user execute the task
- Write down all interactions
- Note down if there is significant emotional expression/behavior

What can we learn

- Detailed interaction between user and our product
- Find out hidden pain points/needs
- Quantified data

PART 4

46



21 STEPS ABOVE ALL WERE JUST WORKAROUND STEPS...

And users suffered, there is no way to test the promo tab in a live client without workaround...

HOW CAN WE UNDERSTAND USERS? AND HOW CAN WE MAKE THEM HAPPY?

Functional & intuitive

Easy to use

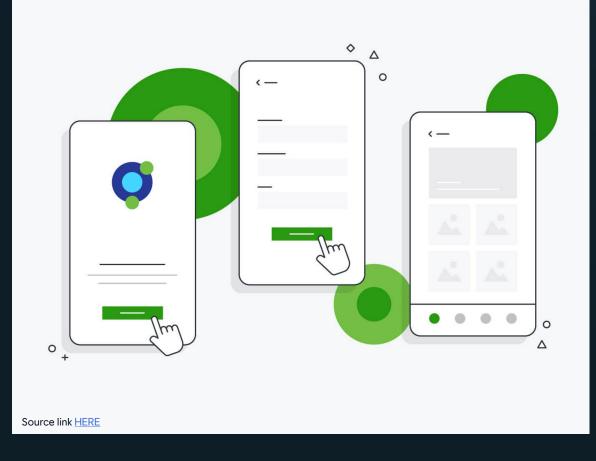
Easy to understand/ recognize

PYLON UX REVAMP GOALS

Better structure Seamless user flow Better look but not only aesthetic Listen to the users more actively

PROTOTYPING

Iterations



Prototyping

Why this method?

• To have optimized ver (user-friendly) before developing

How to

- Iteration of (Design-Review-Test-Improve)
- Research benchmark and examples to get insights & inspiration

What can we get

- Enable to test iteratively and get user's feedback to improve
- Reduce development effort/risk/workload



	rations - Store	e 🕶 Live	opera	tions - Users - Keys -	Platform + Porta	al 👻	Contact Uplay PC
Home > Promo tabs >	Play Rainbow	Six Siege f	or free	•			
							2
156 Play Rainb Button caption	ow Six Sie	ge for f	ree	Bubble caption		:	ACTIVITY STREAM 2020-10-21 13:28:56 Milhyun Ko Updated promo tab with id 156.
English	Play Rainbo	+ •	~	English	Calling all Oj 🛛 + 👻	~	2020-10-21 13:07:37 Mihyun Ko
Link url				Bubble id			Created promo tab with id 156.
English	https://prom	+ •	~	BUBBLE_FOR_R6			
Audience				String id			All activities fetched
Normal			~	STRING_FOR_R6			Diffing in the Activity stream ×
Start date	Start time	e (UTC)		End date	End time (UTC)		You can now view diffs using the activity
10/22/2020	2/2020 🗖 01:20 PM O			10/23/2020	01:30 PM	O	stream. To open the diffing tool, click an activity above and you'll see a diff against the
Countries							previous version of the object.
Anonymous proxy Sa	atellite provider	Andorra U	Inited /	Arab Emirates (the) Afghanista	an 🍵		
			and Assess	therlands Antilles Angola	Se	elect	
	Antarctica Argen		rican S	amoa Austria Australia A	kruba 🗸		
Delete					Sav		
Delete					Sav	e	

1. Iteration (lo-fi)

PROD	UBISOFT	CONNECT	Operations	Store		Users	Keys	Platform	Portal				Contact Uplay PC	•
Home >	Live operations >	Promo tabs > Play Rainboy	w Six Siege for free											
	777 Play	Rainbow Six Sie	ge for free	e										
	Audience O Ubisoft PC	Colient 🔿 Steam) Both											
	Button captior English	Play Rainbow Six Siege for fr	ee 🗸 🗸	_	Bubble caption English Ca	lling all Open	ators: Rainb	ox Sig Siege is f	r 🗸	Link url English	https://promo.ub	soft.com/r6s-fwe-aug	20/e 🗸	
	In	nport Excel	🕑 TD2 FW	V Sep 2	020 for Portal.xlsx	is succes	ssfully im	ported!						
	String ID for a				Bubble ID for back	klog								
	Countries World wide G	ermany												
	Sele	ect Countries												
	Schedule O Test only	Set the date												
	De	lete							Export	this config file		Save		

2. Iteration (lo-fi)

PROD	UBISOFT	CONNECT	Operations	Store	Live operations	Users	Keys	Platform	Portal			Contact Uplay PC	•
Home >	Live operations >	Promo tabs > Play Rainbov	v Six Siege for free										
	777 Play	Rainbow Six Sie	ge for fre	e									
	Audience												
	O Ubisoft PC	C client 🔵 Steam	O Both										
	Button caption	1			Bubble caption					Link url			
	English	Play Rainbow Six Siege for free	ee \	/	English Ca	alling all Opera	ators: Rainb	ox Sig Siege is fi	r V	English https://pro	omo.ubisoft.com/r6s-fwe-aug	20/e 🗸	
	Ir	nport Excel	🗸 TD2 F	W Sep 2	020 for Portal.xls	x is succes	ssfully im	ported!					
	String ID for a	nalysis			Bubble ID for bac	klog							
	STRING_FOR_R	5			BUBBLE_FOR_R6								
	Countries												
	World wide	Germany											
	Sel	ect Countries											
	Schedule												
	Test only	○ Set the date											
	De	lete							Export	this config file	Save		

3. Iteration (lo-fi)

UBISOFT CONNECT PROD	Operations Store Live of	perations Users	Keys Platform	Portal	Contact Uplay PC	•
Home > Promo tabs > New promo tab						
777 Play Rainbox Six S	iege for free					
Button caption	Bubbl	e caption		Link url	Extend V	
English Play Rainbow Six Siege for free	+ Eng		rrs: Rainbow Sig Siege i 🕇	English	https://promo.ubisoft.com/r6s-fwe-aug2	
T Import Excel	TD2 FW Sep 2020 for Port	al.xlsx is successfully	imported!			
String ID for analysis log	Bubble ID for portal log		Age restriction		Audience Ubisoft PC client)
Countries					Select Countries	
+ included World wide						
- excluded Germany						
Schedule O Test only	 Set the date 					
🛱 Delete				Export this config	file 👱 Save	

4. Iteration (mid-fi)

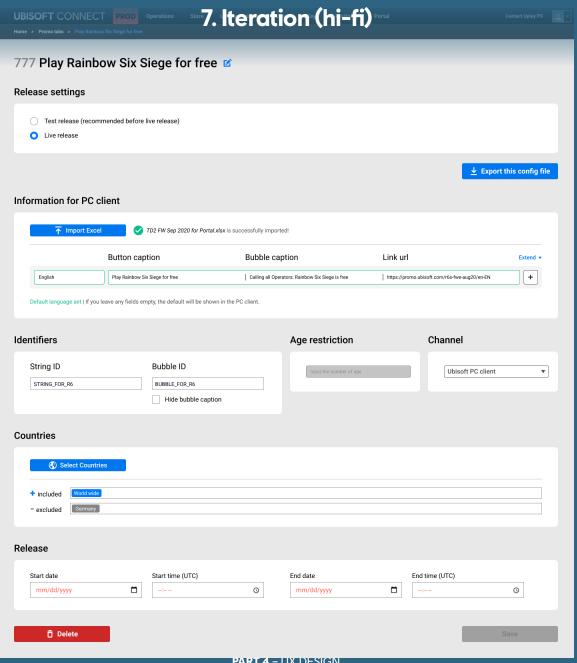
UBISOFT CONNECT	PROD Operations Store	Live operations	Users Keys I	Platform Portal	Contact Uplay PC	
Home > Promo tabs > Play Rainbow Sig S	Siege for free					
777 Play Rainbow * The first button caption will be the name of thi	Six Siege for fre	e				
Information for PC clier	nt					
Timport Excel	🗾 🕑 TD2 FW Sep 2020 for Pe	ortal.xlsx is successfully	imported!			
Button caption		Bubble caption		Link url	Extend ▼	
English Play Rainbow Six Si	iege for free +	English Calling all O	Operators: Rainbow Sig Siege	e is free + English	https://promo.ubisoft.com/r6s-fwe-aug20/en-	
Identifiers			Age restric	tion	Channel	
String ID for analysis*	Bubble ID for po	rtal log*	Input the nur	mber of age	Ubisoft PC client 💌)
STRING_FOR_R6	BUBBLE_FOR_R6					
Countries						
Select Countries						
+ included World wide						
= excluded Germany						
Schedule						
Test only Set th	e date					
ÔDelete				$\underline{+}$ Export this con	fig file Save	

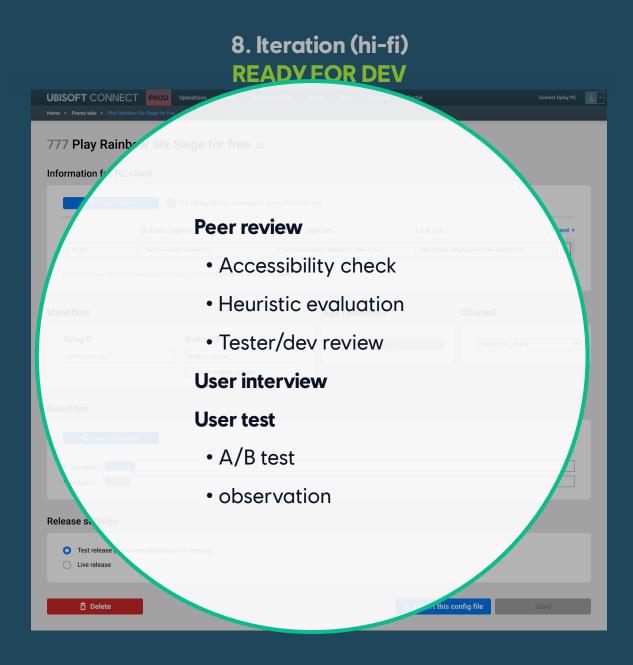
5. Iteration (mid-fi)

UBISOFT CONNECT	PROD	Operations	Store	Live operations	Users	Keys	Platform	Portal		Contact Uplay PC	
Home > Promo tabs > Play Rainbow	Six Siege for free	9									
777 Play Rainbo	w Six	Siege fo	or free	e 🗹							
Information for PC cli	ent										
T Import Excel		TD2 FW Sep 202	20 for Portal.	dsx is successfully im	ported!						
	Button ca	ption		Bubble	e caption	ı		Link url		Extend •	
English	Play Rainbow S	Six Siege for free		Calling a	II Operators: R	ainbow Six Sie	ege is free	https://promo.	ubisoft.com/r6s-fwe-aug20/en-EN	+	
* Default language set If you le	ave any fields	empty, the defaul	t will be show	vn in the PC client.							
Identifiers					A	ge rest	riction		Channel		
String ID for analysis	k	Bubble I		al log*		Input th	e number of age	e	Ubisoft PC client	•)
		Hide									
Countries											
Select Countries	;										
+ included World wide											
= excluded Germany											
Schedule											
• Test only • Se	t the date										
ā Delete							(¥ Export this co	onfig file	Save	

6. Iteration (mid-fi)

UBISOFT CONNEC	PROD	Operations	Store	Live operations	Users	Keys	Platform	Portal		Contact Uplay PC	
Home > Promo tabs > Play Rainbov	v Six Siege for free	•									
777 Play Rainbo		Siege fo	or free	9 🗹							
	nent										
T Import Excel	S	TD2 FW Sep 202	20 for Portal.	xlsx is successfully im	ported!						
	Button ca	ption		Bubble	e captior	ı		Link url		Extend 🔻	
English	Play Rainbow S	Six Siege for free		Calling a	II Operators: F	ainbow Six Sie	ege is free	https://promo.	ubisoft.com/r6s-fwe-aug20/en-EN	+	
Default language set If you	eave any fields	empty, the defaul	t will be show	wn in the PC client.							
Identifiers					А	ge rest	riction		Channel		
String ID from analysis te	am	Bubble II BUBBLE_FO Hide b				Input th	e number of age		Ubisoft PC client	•]
Countries											
Select Countrie	es										
+ included World wide											
excluded Germany											
Schedule											
O Test only O S	et the date										
ā Delete								± Export this co	nfig file	Save	

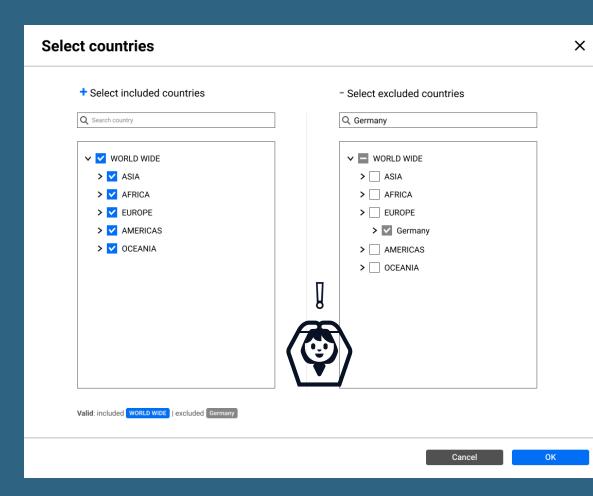




BEFORE

NOW

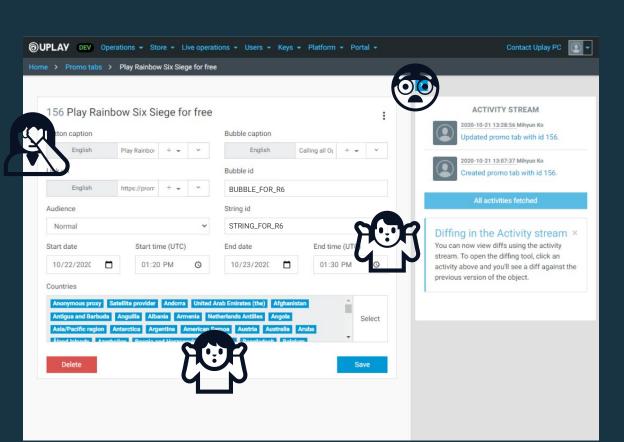
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				£₩J		10 25 50 100		
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Bosn Buru	ia and Herzeg ndi Cabo Ve			ndian Ocean Territory (the) Br lands (the) Central African Re		urkina Faso hristmas Island		
	s (Keeling) Isl				Congo (the) Cook Islands (the)			
Côte	d'Ivoire Cro	atia Cuba Curaçao	Cyprus Czech Republic (t		minica Dominican Republic (th			
Ecua		El Salvador Equatorial			Falkland Islands (the) (Malvinas)			
	i Islands (the) dia (The) Ge	Fiji Finland France orgia Germany Ghana		rench Guiana French Polynes enland Grenada Guadeloup				
					long Kong Hungary Iceland			
Indor	iesia Iran (Is	slamic Republic of) Iraq	Ireland Isle of Man Is	rael Italy Jamaica Japan	Jersey Jordan Kazakhsta	n Kenya		
Kiriba	nti Korea (th	e Democratic People's Rep	oublic of) Korea (the Repu	olic of) Kosovo Kuwait K	yrgyzstan Lao People's Democ	ratic Republic (the)		
Latvia		Lesotho Liberia Liby			lacedonia (the former Yugoslav F			
	gascar Mai				Aauritania Mauritius Mayott			
Micro Nami		ted States of) Moldova Nepal Netherlands (the	(the Republic of) Monaco e) Netherlands Antilles N	Mongolia Montenegro M lew Caledonia New Zealand	Nontserrat Morocco Mozam Nicaragua Niger (the) Niger			
		orthern Mariana Islands (th		er country Pakistan Palau	Palestine, State of Panama			
	a New Guinea			oland Portugal Puerto Rio	A STREET, STORE AND A STRE	L		



BEFORE

NOW

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8 Rainbow	Six: Extraction	n – Available n	ow! 🛛				G
ormation for PO	C Client						
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	Button caption*		Bubble caption		Link URL*		Expand 🗸
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ing ID*		Bubble	settings		Channel		
STRINGFORR6EXTRA	CTION		Display bubble caption		Ubisoft P	C client	\$
Select cou	untries If you do not s	select any countries, this promo to	ib will be available world wid	le.			
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	If you do not s	select any countries, this promo to	sb will be available world wid	le.			
+ Included	If you do not s	select any countries, this promo to	ib will be available world wid	le.			
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AVAILABLE NOW

Assemble your elite team of Rainbow Six Operators to launch incursions in the unpredictable containment zones and face off against an evolving Alien threat. Band together and put everything on the line as you take on this unknown enemy.



PART 4

BUY NOW

TIPS TO FIND BEST TACTICS

Setup the goal of each steps

• Enable to find the methods/tactics which fit the most for your goal.

Involve users in many steps as possible

- Encourage users to say loud their opinions
- Inspire them that this participation will make their daily work more efficient

Share the progress within the team to motivate

Sometimes, there is methods which seems not perfect fit

• We learn from the failure. Try with other tactics

Collaboration + varied activity will create more creative solution!

• © Enjoy the process with users and your team and share the success!

PART I 5

THE EVALUATION

0

Track your improvements over time with PURE

HOW TO EVALUATE THE IMPROVEMENT/PROGRESS

Conversion rates App downloads Customer reviews A/B testing performance Path flow patterns Error occurrence rate System Usability Scale (SUS) Etc...

PURE

0

Pragmatic Usability Ratings by Experts

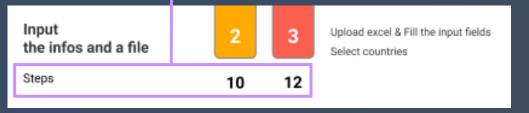
Quantify ease of use from qualitative insights

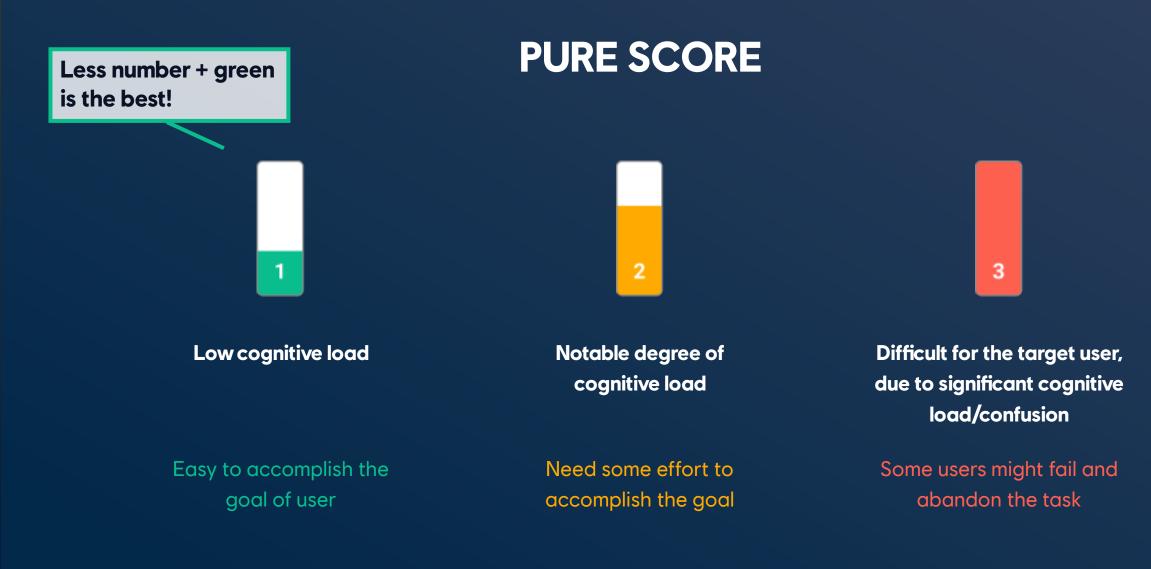
No aesthetic/effective ratings

Easy-to-understand score system

HOW DID WE USE

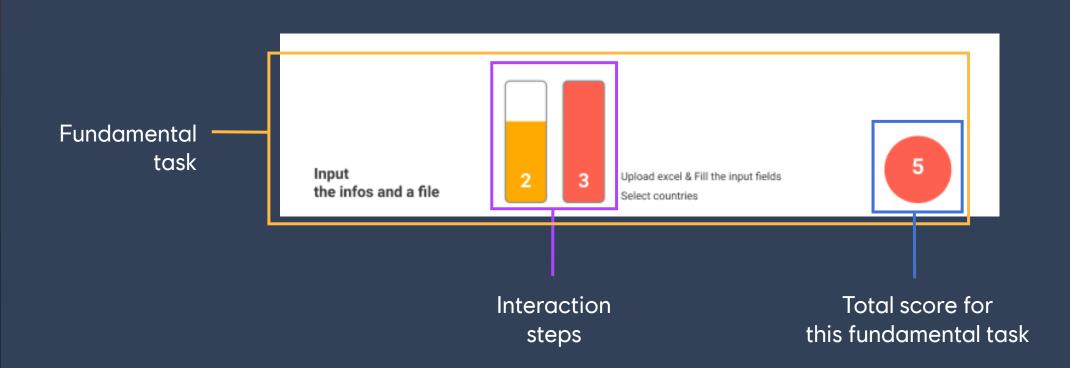
- Optimized the way of evaluation to make it simple and fast
- Min 3 UX experts
- Every score should be agreed by all reviewers
- Single interaction shouldn't be measured/but counted





PART 5

PURE COMPONENTS



Click [Live Operations] Menu in the top nav bar		
Click [New Promo tab] in Menu tree		
Click Kebab menu icon on the right top		
Click [Upload Excel]		
Search for an excel file		
Find the correct excel file		
Select excel file and click [Open] button		
Input [String ID]		
Input [Bubble ID]		
Check [Audience] [Normal] by default		
Click Calendar icon on the right in 'Start date' menu		
Select start date in the past		
Click Time icon on the right in 'Start time' menu		
Select start time		
Click Calendar icon on the right in 'End date' menu		
Select end date in the past		
Click Time icon on the right in 'End time' menu		
Select end time		
Click [Select] button on the bottom right		
Click [100] button on the right, pagination		
Click All checkbox for the first page		
Click [2] page button		
Click All checkbox for the second page		
Click [3] page button		
Click All checkbox for the third page		
Click [Name:All] filter		
Input "China"		
Click to uncheck "China"		
Scroll down		
Click [OK] button on the bottom		
Click arrow icon next to button caption to check everything		
Click arrow icon next to bubble caption to check everything		
Click arrow icon next to URL to check everything		
Click [Save] button on the bottom of the page		
Small notification popup shows up (at the right bottom) > [Pr	omo Tab created] and	disappear in 3 seconds.
Click [Promo tab] Menu in the breadcrumb		
Click on ID sort (ID ascending number)		
Click on ID sort (ID descending number)		
Select the correct checkbox		
Click Kebab menu icon on the right top		
Click [Get promo config for selected]		
Send the downloaded file to testers		
Click [Live Operations] Menu in the top nav bar		
Click [New Promo tab] in Menu tree		
Search the previous created Promo Tab		
Click Calendar icon on the right in 'Start date' menu		
Select start date of the live event		
Click Time icon on the right in 'Start time' menu		
Select start time of the live event		
Click Calendar icon on the right in 'End date' menu		
Select end date of the live event		
Click Time icon on the right in 'End time' menu		
Select end time of the live event		
Check once again everything		
Click [Save] button		
Popup modal "Save Changes?" with diff log shows up		
Click extend arrow on the right side		
Click to c heck "Show Changes only" check box		
Scroll down to look into		
Click [Save] button		
· · · · · · · · · · · · · · · · · · ·		

Configure new promo tab

Input the infos and a file	Upload excel & Fill the input fields	Select countries
Steps	9	7

\rightarrow

Export the new promo config

Steps

Verify the changes

Steps

3

3

Set live & Verify the changes

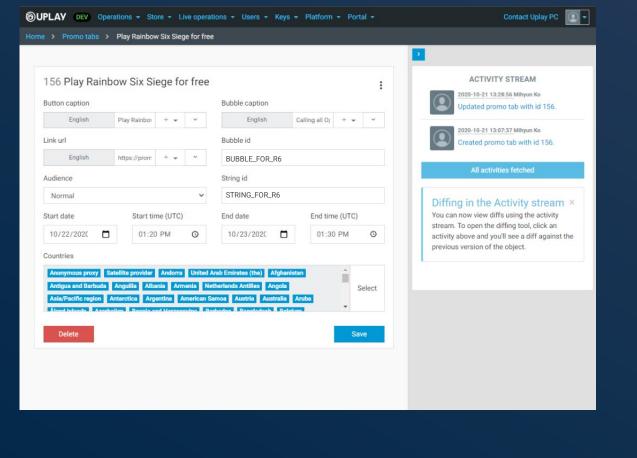
Steps

11 13 with optional check

Completion of process

BEFORE







from

6th ITERATION

UBISOFT CONNEC	T PROD	Operations	Store	Live operations	Users	Keys	Platform	Portal		Contact Uplay PC	•
Home > Promo tabs > Play Rainbo	w Six Siege for free										
777 Play Rainbow Six Siege for free 🖻											
	incint										
The second s		TD2 FW Sep 20	20 for Portal.	<i>xlsx</i> is successfully i	mported!						
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English	Play Rainbow S	Six Siege for free		Calling) all Operators: F	ainbow Six Sie	ege is free	https://promo.	ubisoft.com/r6s-fwe-aug2	D/en-EN +	
Default language set If you	leave any fields e	empty, the defau	It will be sho	wn in the PC client.							
Identifiers					А	ge resti	riction		Channel		
String ID from analysis to STRING_FOR_R6	eam	BUBBLE_FO	D to connec	t to backlog		Input the	e number of age		Ubisoft P	C client 🔻)
		Hide b	oubble capt	ion							
Countries											
Select Countri	es										
+ included World wide											
= excluded Germany											
Schedule											
• Test only • S	Set the date										
ā Delete									nfig file	Save	

Configure new promo tab after 6 iterations 3 UX experts from Input the infos and a file Upload excel & Fill the input fields Ubisoft Connect PC Select countries design team Steps 97 Verify the changes Steps 3 Export the new promo config Steps 3 Set live & Verify the changes Steps 11 13 with optional check Completion of process Total PURE Score

2nd PURE

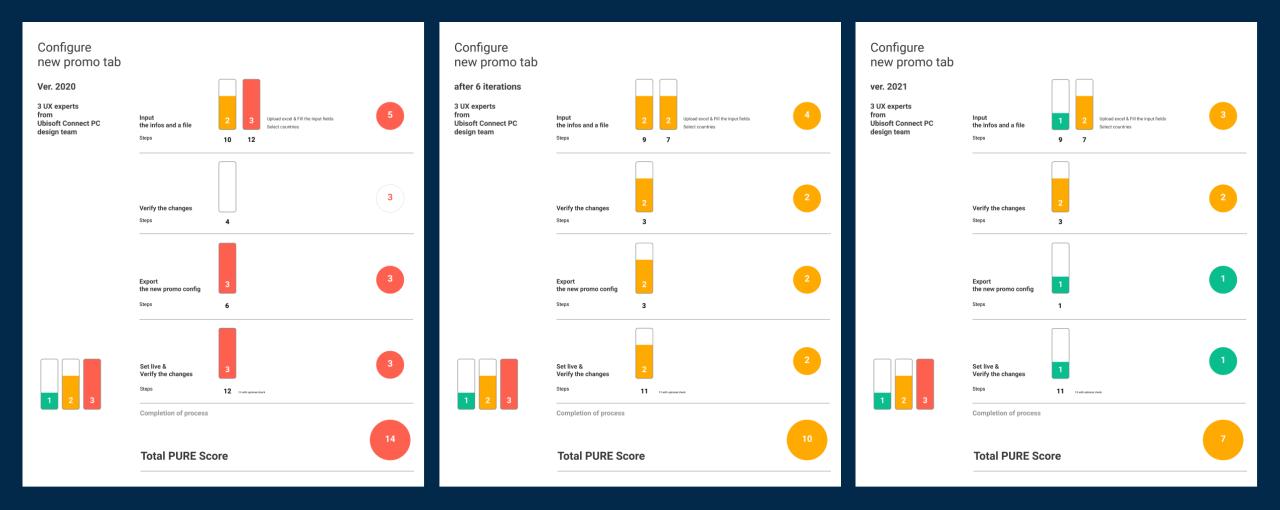
NOW



	Operations Store Live operation	s Users Keys	Platform	Portal		Contact Ubisoft Connect	
Home > Promo tabs > Rainbo	w Six: Extraction – Available nowl						
258 Rainbow Required field*	Six: Extraction – Ava	ilable now!	Z			C	Histo
Information for PC	Client						
Import E	Please upload an excel file. (O	nce you upload a new excel t	file, completed fi	elds will be overwritten.)			
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English	Rainbow Six: Extraction – Available nov	1 Te	amwork is your	greatest weapon as you and your squad o	https://rainbowsixextraction.com	+	
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01/20/2022	10:00 AM		O	01/27/2022	10:00 AM	O	
100 m m					and the second s		

Configure new promo tab				
ver. 2021				
3 UX experts from Ubisoft Connect PC design team	Input the infos and a file ^{Steps}	1 2 9 7	Upload excel & Fill the input fields Select countries	3
	Verify the changes	2		2
		3		
	Export the new promo config	1		1
	Steps	1		
	Set live & Verify the changes	1		
1 2 3	Steps	11 13 with option	al check	
	Completion of process			
	Total PURE Sco	ore		7

COMPARATIVE BENCHMARK

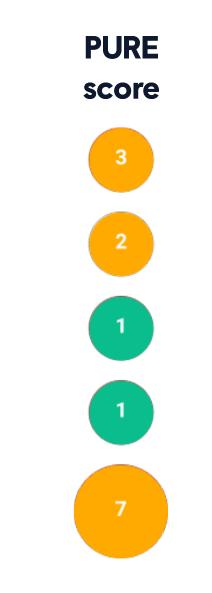




INTERACTION STEPS FOR USER



STEPS ABOVE ALL WERE JUST WORKAROUND STEPS...



Source: NN Group

PURE Summary





Efficient



only 3 UX experts for internal expert validation

Perfect for comparative benchmarking



Able to measure improvement of one product over time Conclusive & Measurable



Easy way to demonstrate impact of UX to stakeholders in a conclusive and measurable way

THE ART OF UCD



TEAMWORK

FRAMEWORK

0

RESOURCES & PRESENTATION ACCESS



THANK YOU, DEVCOM

Join us at Ubisoft Düsseldorf!



C++ DEVELOPERS WEB DEVELOPMENT (TYPESCRIPT, NODE.JS) FRONTEND DEVELOPERS (REACT) TOOLS PROGRAMMERS (C#/.NET) FULL-STACK DEVELOPERS

HTTPS://DUESSELDORF.UBISOFT.COM/CAREERS

LET'S GET TALKING

NATALI PANIC-CIDIC

User Researcher natali.panic-cidic@ubisoft.com



MIHYUN KO

UX Designer mihyun.ko@ubisoft.com

RESOURCES & REFERENCES

Our 2022 GDC Talk - tinyurl.com/ubigdc22

PURE Method - tinyurl.com/UX-PURE

UXR Framework – ourlink

HCD design Kit - designkit.org/methods

UX methods - uxmethods.org

User-Centric Design Mindset - https://www.justinmind.com/blog/user-centered-design/

Prototype picture source - uxdesigninstitute.com/blog/best-prototyping-tools-for-ux-designers/