



Practice with signs

Jose Baeza

Nicolas Gala

Leo Hernandez

Ariel May



Deliveries

- First deliverie
 - Define the problem
 - Define activities, roles and research about our problems
 - Define scenarios and Personas
 - define our user-centered methodology

Link: <https://github.com/JoseBaezaP/IHC>

- Second deliverie
 - Creation of specific requirements
 - Creation of interfaces
 - Usability testing outline

Link: <https://github.com/JoseBaezaP/IHC/blob/master/SegundaEntrega.md>



Deliveries

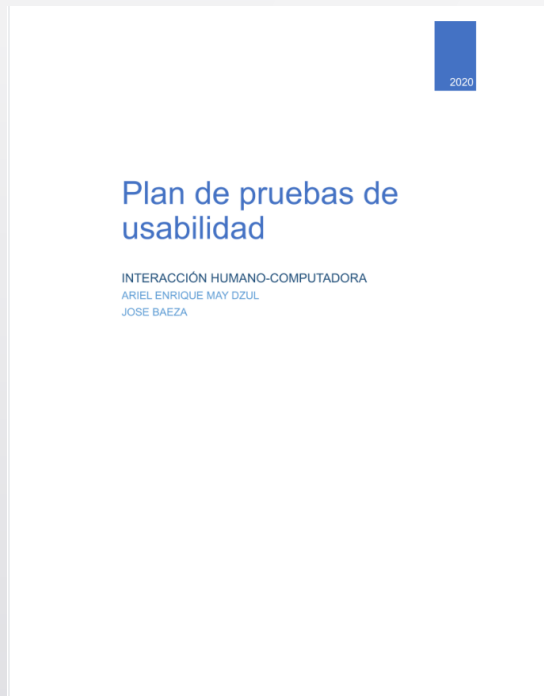
- Third deliverie
 - Usability testing plan completed
 - Carry out the test plan
 - Poster creation

Link: <https://github.com/JoseBaezaP/IHC/blob/master/TerceraEntrega.md>

User-centered design



Usability testing



- For usability testing we focus on being able to measure and get feedback on user performance, measuring based on specific performance objectives needed to meet usability requirements.

Link:

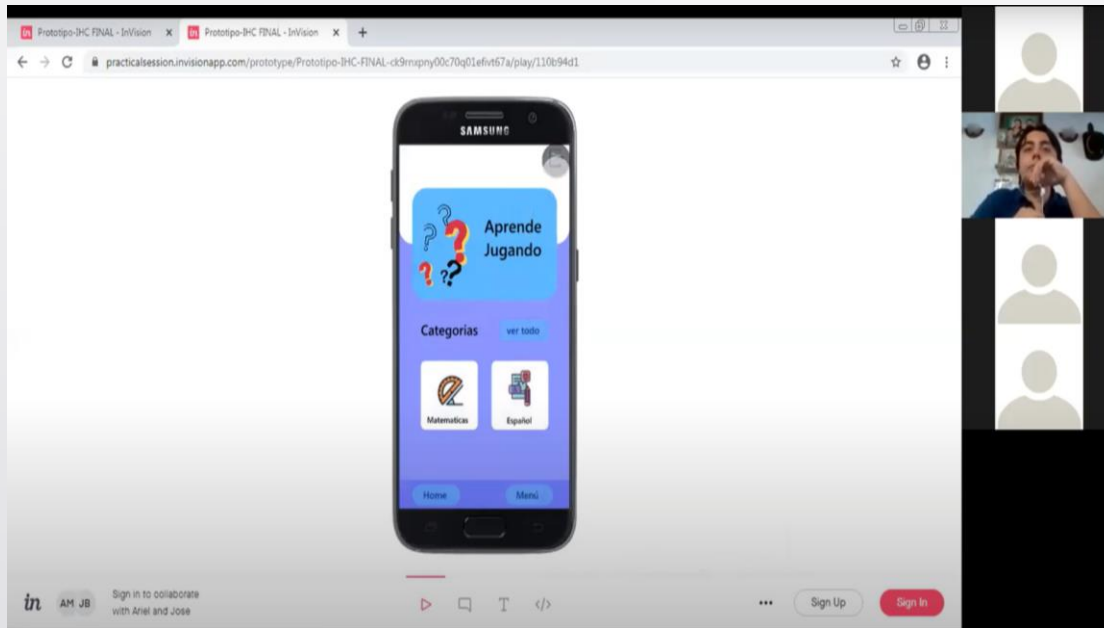
<https://github.com/JoseBaezaP/IHC/blob/master/Entrega%20final/Plan%20de%20Pruebas%20de%20Usabilidad.docx.pdf>

Scenarios

Escenario
1. Acceder al sistema
2. Crear un nuevo grupo
3. visualizar resultados de alumnos
4. Realizar una actividad

- We decided to include four different scenarios which the test participants must perform. The scenarios are included in the usability testing document in detail.

Test



- We had a user, Professor Nallely Sanchez, to carry out the tests and there was also the director Veronica Barrera, the tests were carried out on the Zoom platform and the session was recorded, the video is at the following [link](#), at the end, a subjective evaluation was made to through a survey on [Google Form](#).

Result

Escenario	Pasos	% de éxito.
1. Acceder al sistema	Esperados 7 Realizados 7	100%
2. Crear un nuevo grupo	Esperados 2 Realizados 2	95%
3. visualizar resultados de alumnos	Esperados 2 Realizados 2	90%
4. Realizar una actividad	Esperados 9 Realizados 10	95%

- The results were that the difficulty to carry out the activities is simple, as well as the instructions were brief and concise, as well as the navigability in the system. The most important utility was the visual support, which has as well as the translation of the activities was of great help for the users. However, one suggested that the form of the activities could cause confusion, due to the text that, despite being simple, can be tiring.



Learned lessons

Work team

Actividad	Valor	Participación			
		Leonardo	Nicolás	José	Ariel
Primera reunión en CAM 12.	1			x	x
Solicitud de oficios.	1			x	x
Entrega de oficios a la directora de CAM 12	1	x		x	x
Planeación de actividades con la directora.	4	x	x	x	x
Realización de encuestas	4	x	x	x	x
Búsqueda de información	4	x	x	x	x
Creación de encuestas.	4	x	x	x	x
Aplicación de las encuestas	4	x	x	x	x
Planeación 1	1			x	x
Redefinir Objetivo	4	x	x	x	x
Reunión con la maestra	1			x	
Reestructurar la información del repositorio	4	x	x	x	x
Refinamiento de los requisitos	1				x
Justificar las características de las Personas	1			x	
Prototipado	3		x		x
ERS	2	x		x	x
Matriz de trazabilidad de requisitos	1				x
Prototipada de interfaces	4	x	x	x	x
Método de inspección	4	x	x	x	x
Bosquejo de pruebas de usabilidad	1			x	x
Artículo	4	x	x	x	x
Infograma	4	x	x	x	x
<i>Total</i>	<i>58</i>	<i>47</i>	<i>47</i>	<i>53</i>	<i>56</i>

- The first metric aims to measure the percentage in which the participants were part of the activities taking into account the value of the assigned activities.



Metrics

- X= Number of points achieved
- Y= Total number of activity points
- **Métrica de participación X/Y**
- Leonardo: $47/58=0.81$
- Part of 81% of the activities was assigned.
- Nicolas: $47/58=0.81$
- Part of 81% of the activities was assigned Jose: $53/58=0.91$
- Part of 91% of the activities was assigned.
- Ariel $56/58 = 0.96$
- Part of 96% of the activities was assigned
- The second metric represents the load of activities distributed among the four team members during the development of the entire project. Being 25% an equitable distribution. C = Número de puntos conseguidos.
- D = Total number of points made by each member ($47 + 47 + 53 + 56 = 203$)
- **Métrica de carga**
- Leonardo: $(47/203) * 100 = 23.12\%$
- Nicolas: $(47/203) * 100 = 23.12\%$
- José: $(53/ 203) * 100 = 26.10\%$
- Ariel: $(56/203) * 100 = 27.48\%$