

Purpose of the document:

To define the functionality of a comparison research platform, and to better get an overview over the milestones and deadlines. The application is designed to facilitate online studies, where the researcher can upload artifacts (image, text, audio), and collect user feedback through comparison-based evaluation.

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Dates & Milestones:

- Oblig 1, due 14.02.25
- Obligatory attendance, 14.02.25
- Project Start, 17.02.25
- MVP Testing, 10.03.15
- TBD
- Project End, 02.05.25

Stakeholders:

- Researcher
- Participants
- Other researchers
- Research assistant

Business requirements:

Project scope

- One semester

Outlining functionality

1. Easy to send participation links to participants
2. Make it easy for researcher to have an overview on their research
3. Make it easy for participants to participate

Performance criteria

1. Multiple participants should be able to do the test at the same time
2. Researcher(s) should be able to look at analytics without considerable lag

Personas or archetypes:

1. Researcher(s)
2. user/participant
3. research assistant

User requirements (possibly as user stories):

1. As a researcher I want to be able to log in
 2. As a researcher I want to be able to upload files (picture, text, sound files)
 3. As a researcher I want to be able to compare side-by-side view of two or more items
 4. As a researcher, I want to specify what participant data should be collected (e.g., gender, age)
 5. As a researcher I want the platform to follow accessibility laws
 6. As a researcher I want the admin dashboard to be functional but not necessarily mobile responsive
 7. As a researcher I want to store the responses in a database
 8. As a researcher I want the ability to keep user anonymous
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1. As a user I want to see minimal interface

2. As a user I want to complete the study without logging in
3. As a user I want the site to be responsive for mobile

Functional requirements:

1. Researcher functionalities

- 1.1 Flexible system, researcher can add pictures, audios, videos, etc.
- 1.2 Researcher can log in securely
- 1.3 Researcher must be able to set up studies with multiple artifacts for users to compare
- 1.4 Researcher must be able to define and view participant collection fields (age, gender, and other demographics)
- 1.5 Can look at other researchers research
- 1.6 Researcher must be able to view and export collected data in a structured format.

2. Participant Experience

- 2.1 Participants must be able to complete surveys without logging in
- 2.2 Participants must be able to rate artifacts using predefined scales.
- 2.3 Participants must be able to compare artifacts side by side
- 2.4 Participants must be able to submit their answered surveys securely.
- 2.5

3. Data handling and security

- 3.1 The system must store data securely and prevent unauthorized access
- 3.2 The system must not expose participant data in the URL
- 3.3 The system must be able to define what participant data is collected, while maintaining anonymity

4. Study design and interaction features

4.1 The system must allow researchers to create different types of studies. Including:

- Surveys with rating scales (e.g. 1-10)
- Comparative studies with side-by-side views

4.2 The system must allow researches to customize rating scales

4.3 The system must allow links to be generated for participants to access studies directly

4.4 The system should support multiple platforms(Desktop, mobile, tablet)

1. Easy to send out the test to participants.
2. Participants must be able to complete surveys without logging in.
3. Participants must be able to submit their answered surveys securely.
4. Participants must be able to compare artifacts side by side
5. System must store collected data securely.

Anti-requirements:

1. Participant should not be able to log in - Only the researcher should be able to log in and review the form answers
2. No user generated content - Participants should not be able to upload their own files.
3. No public participant profiles - Answers should be anonymous, and there should be no way to track individual participants based on their answers.
4. No clickbait-style surveys - The surveys should not be dependent on clickbait to get the users attention.

5. No use of artificial intelligence

Non-functional requirements:

1. The system should be simple and easy to understand, intuitive.
2. The system should be accessible according to WCAG 2.1 standards.
3. The system should be flexible.

Website diagram/Sitemap:

1. Home page

- overview of platform
- login for researcher
- brief explanation

2. Research dashboard

- List of all created studies
 - view/edit/delete studies
 - start new study
- create study
 - upload artifacts (text, image, audio)
 - set participant data collection preferences
- study result
 - view response
 - export data (json, CSV)
- settings?
 - view/edit profile
 - log out

3. Participant interface

- no login
- display study artifact
- rate artifacts
- next artifact
- submit response

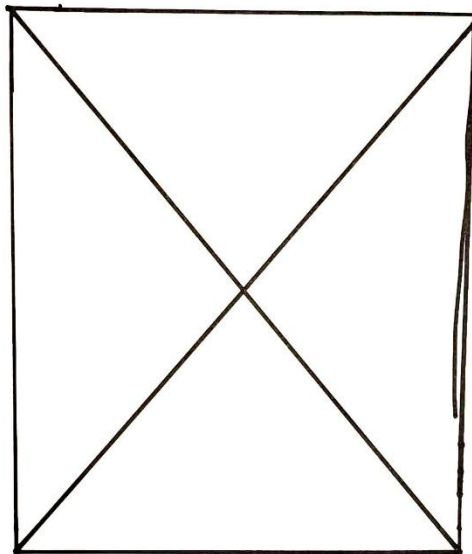
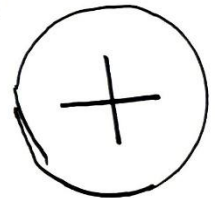
4. Navigation flow

- Researcher must log in to access dashboard
- participant receives direct link to study
- study results are only accessible to the researcher

Wireframes and different screens/Low-fidelity prototypes:

A hand-drawn wireframe of a login page. The title "LOG IN PAGE" is centered at the top. Below it are two input fields: the first contains "JohnDoe" and the second contains four asterisks "****". Under the password field is a checkbox labeled "Remember". Below these is a "Log in" button. At the bottom are two links: "G..." and "A...".

Survey 1	100	0
Survey 2	76	0
Survey 3	286	0
Survey 4	500	0



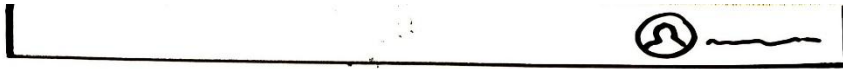
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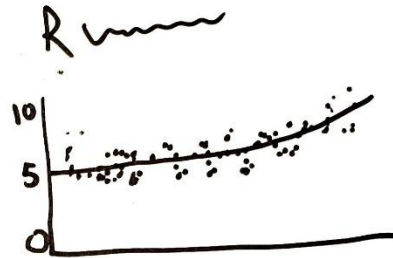
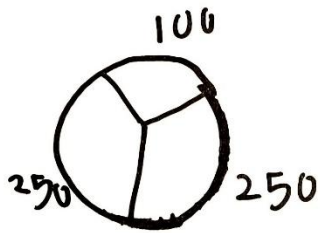
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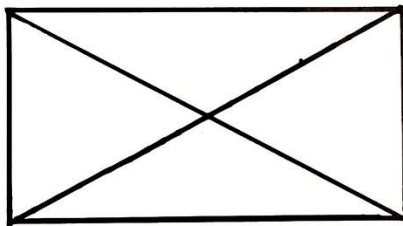
BACK NEXT



1



2



100

25

1	100
2	76
3	66
4	55
5	44
6	37

