

Software System Development (Monsoon 2021)

Project Requirements Submission – Due: 24 October 2021, 5 PM

Instructions:

1. This is Group Submission. Any one person can submit on behalf of the team.
2. This submission holds some part of Overall Project Marks
3. This task is intended for team-members to discuss the requirements within teams at stretch and list them down in an order.
4. In case of any queries, please feel free to reach out to your instructor or Mentor.
5. Submission: All submissions are accepted via Moodle and in PDF format only.
6. Limit this document to 3-5 pages only.

- Team Name: CHAOS
- Project Title: Web Usability Evaluation Suite
- Instructor/Mentor: Sai Anirudh, Sheth Nisarg Jitesh
- Project GitHub Repository URL: <https://github.com/soumodiptab/web-evaluator>
- Members Details (with Roll Numbers):

Name	Roll No
Soumodipta Bose	2021201086
Bhavanam Sai Varun Reddy	2021201026
Vambaravelli Tharun Sai	2021201036
Sudipta Haider	2021202011
Arshad Mohammed	2018900056

- Requirements:

1. Stakeholders

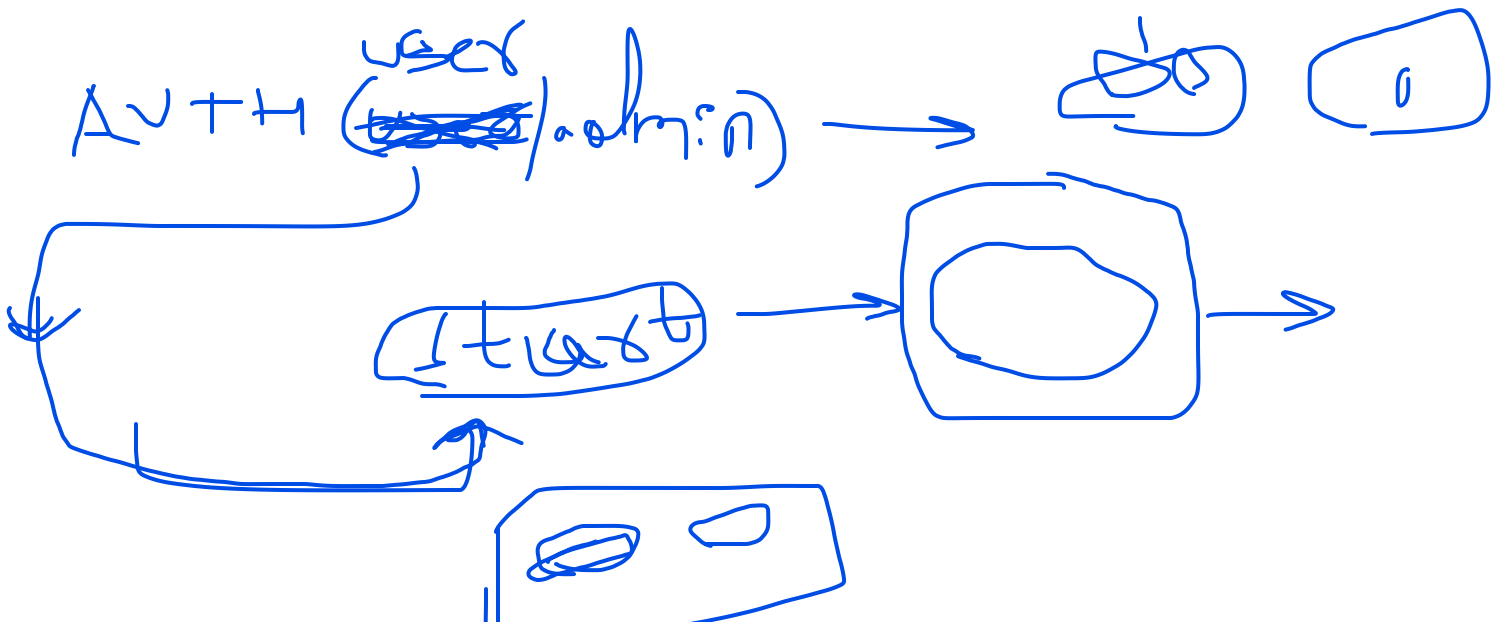
An Individual/Organization who wish to test their website for Usability

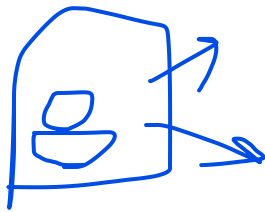
2. Roles and Responsibilities of Stakeholders

Roles	Responsibilities
Observer	<ul style="list-style-type: none">• To provide a working site to test• To provide a checklist of tasks• Schedule tasks for testing• To monitor what participant is doing
Participant	<ul style="list-style-type: none">• Performing the tests• Try to complete the checklist

3. Requirements in Detail

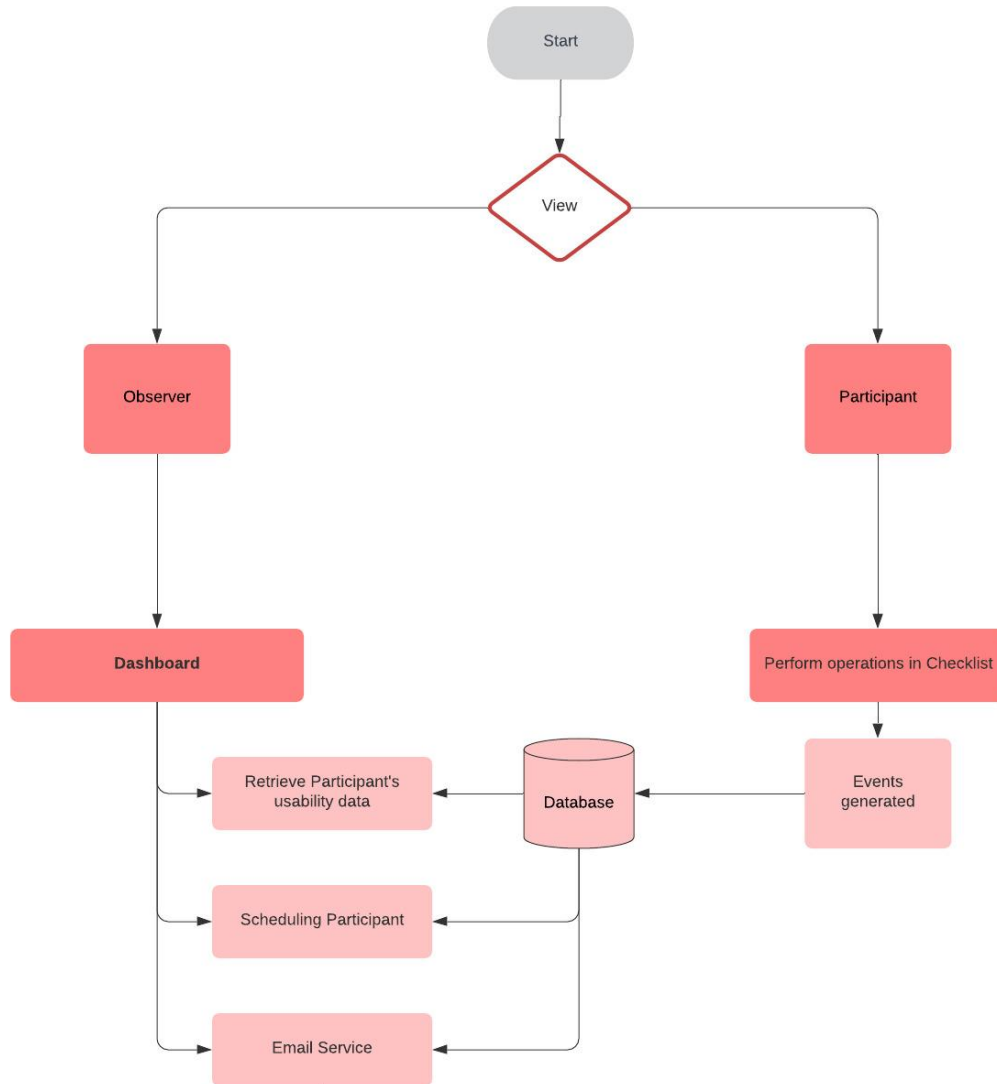
ID	Requirement Name	Description	Category (Frontend/Backend /Middleware)	Notes	Owner
1	Participant Page	A web page containing a URL space to enter the website to be evaluated.	Frontend		Tharun
2	Observer Page	A web page for the observer to administer the usability test.	Frontend		Tharun
3	Event generation	Capturing the mouse click, and participant actions on the evaluating website.	Middleware +Backend		Varun
4	Data store	Store details like: <ul style="list-style-type: none"> Participant actions Participant basic information Login Credentials (etc.) 	Backend		Arshad/Soumodipta
5	Retrieve Participant data	Retrieve all the actions performed by the Participant in the test.	Middleware +Backend		Soumodipta/Sudipta
6	Email Service	Sending emails to the participant with details regarding the usability test.	Middleware +Backend		Varun/Tharun
7	Participant Booking	<u>Scheduling timing</u> (day and time) for the participant to perform the usability test.	Middleware +Backend		Soumodipta
8	Login Services	Observer and Participant authorization and Login	Middleware+Backend		Sudipta/Arshad





Project Flow Diagram

TEAM 16



4	015	42017	8
username password age gender	username password	observer username user username event id date of the event notes	mouse clicks keyboard events heatmaps?

Discuss the workflow of events of your project w.r.t stakeholders in 4-5 lines.

1. Observer will first schedule the test and provides the to-do list along with the test link
2. Participant needs to enter his basic information and then tries to complete the to-do list and the framework gathers useful statistics like mouse and keyboard events.
3. Observer maintains a note while the test is going on and at the end of the test, he can download the notes and view the participant's statistics of the test.

- Technology Stack:

- Front End: HTML, CSS, JS, BOOTSTRAP
- Backend: Django
- Database: SQLite

