URXperience Scrum 1

URXperience
Connecting UR world

By The 4 Codesmen - Abraham, Dhruv, Dinesh, Favor
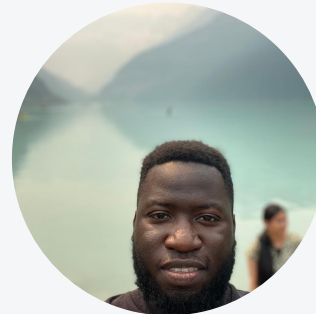ENSE 400/477(2022-2023): SSE Capstone

Team Introduction

Favor Fasunwon
Frontend Developer and UI/UX Designer

Dhruv Modi
Team Lead and Backend Developer

Abraham Mugerwa
Frontend Developer Documentation Manager

Dinesh Dalip
Software Architect and Backend Developer

Project background & business need/opportunity

- ❏ For our capstone project we are building a web application for U of R residence that allows U of R Residence Students:
  - ❏ To connect with each other
  - ❏ Make friends
  - ❏ Help each other out academically [Build a community]
  - ❏ Be part of the Residence life [Stay updated about events]
  - ❏ To decrease/eliminate the social gap [Less isolation and increased socialization]
- ❏ Current Situation
  - ❏ Currently U of R Residence does not have a dynamic application that brings U of R Students together. There is an application for U of R Residence however it is outdated and requires a major upgrade.
- ❏ Opportunity
  - ❏ Build an application for U of R residence that
    - ❏ Replaces the old application
    - ❏ Enhances the experience of living on campus
- ❏ Future Opportunity
  - ❏ Go beyond U of R and share this digital ecosystem with other University Residences as well.

Status description

We believe we are in the Green zone since we are documenting and making requirements as proposed to our project. We plan to keep the project in the green status by confirming the pros and cons of the tech stack we chose and ensuring it properly suits the build for our application.

As per previous responsibility of work done, the distribution goes as follows:

- ❏ Dhruv: Business Case and Roles/Responsibilities Document, Vlog Presentation/Script, Vlog#1 Video Editing, and Technology Stack research
- ❏ Abraham: Project charter and Meeting Minutes Documentation, Vlog Presentation/Script, and Updating our Github and Wiki Page.
- ❏ Dinesh: Project Scope Statement Documentation, Vlog Presentation/Script, Technology Stack research.
- ❏ Favor: RACI Chart and Project Requirement Documentation, Vlog Presentation/Script, Technology Stack research

Project Changes/Issues

❏   Change to Web Stack

❏   Minor modification to Scope

❏   RACI Chart

We do not have any major issues at current stage our project

Documentation overview

PROJECT SCOPE STATEMENT

Project Name	URXperience

Project Deliverables	Detailed Description
Events Posting	This feature enables the students living on the U of R campus to be notified about events/activities taking place. The RA will have access to this feature and post any events with the location and date of the events. Students can view all the events taking place and participate. Like to include: When a student wants to host a party in their house on campus they need verification by the RA team. In further MVPs, this problem could be solved by requesting a party pass digitally and getting approved by the RA. Later on, after verification student can post the event in in events section of the website

Food section	The Food section on the platform will have many smaller features to make the students' day easier.
	
	• Recipe of the day:
	  ○ This will be a small feature displaying a new recipe of a dish everyday with the list of ingredients, time to cook, cooking instructions, and cost effectiveness.
	• Takeout nearby:
	  ○ This will be another handy feature displaying take-outs and resturants near by the user location if desired to take the day off and eat out.
	• Searching capabilities
	  ○ In this feature students can search for a specific type of food recipe .
	
	Like to include:
	
	The Food section could be advanced into displaying Nutrition Facts about a recipe and cost of the specific ingredients. This will be very helpful for students to measure their caloric intake and money management.

| Communities | The web application will have a community section for students on the campus to connect and find new friends for academic or entertainment purposes.

There will be different communities for different faculty making it easier for finding similar students. These communities will have live chat capabilities where students could talk to everyone and find companies. The students have the option to directly message a person or create a group for their needs.

Like to include:
This feature could be progressed to include a dynamic U of R Campus Directory. It will be a handy tool for students, especially freshmen to easily connect to professors and services provided on the campus. |

Project Exclusions

Housing Payments	This platform by no means will give access to pay rent or anything related to unpaid rent, changing rooms/buildings, roommate conflicts, laundry room bookings
Voting	The platform will not be integrating any voting system for University elections.

Documentation overview

PROJECT REQUIREMENTS DOCUMENT

Project Name	URXperience

Functional Requirements

- Real time chatting system to establish communication for all UR residents
- RA's portal in community to create and post events
- Student's portal in community to view and register in displayed events
- Ability to create sub chat channels in the chatting system to accommodate study groups
- Daily randomized recipes for food
- Map which displays location of user and the close local food joints in the area
- RAs have ability to view who registered to participate in the posted event
- Notification to remind students of events which they registered in

Technical/Performance Requirements

- Chat message response and posts should be instant transfer to the chat's GUI or at maximum take 2 secs to send or receive
- Ethernet or Wifi is needed to run the application
- Student's SID, and Email needed for authentication
- Chromium web browser capable of running the web application
- Mobile responsive

Documentation overview

PROJECT ROLES AND RESPONSIBILITIES

Project Name	URXperience	

Name	Role	Responsibilities
Abraham	Frontend Developer and Documentation Manager	1. Frontend coding in Javascript/CSS/HTML [Frameworks and Libraries included] 2. Debugging frontend code 3. Verify/Ensure that the user interface is optimal for the user(s) 4. Organize different project related documentations and verify that documentations are up to date on GitHub and UR Courses 5. Guide other team members in what documentation(s) to apply for different process that will take place throughout the project 6. Manage creating/maintaining/releasing documentations 7. Ensure/Verify that the frontend of our web application is able to integrate with the backend of the web application 8. Verify/Ensure software/application flow
Dhruv	Team Lead and Backend Developer	1. Ensure/Verify that the team tasks are on schedule 2. Manage group conflict 3. Keeps track of all project activities 4. Maintains software quality to be of high standard which includes code and documentation 5. Motivate the team and keep a positive work environment 6. Manage/Create database for our web application 7. Backend coding and maintaining/debugging the code. 8. Ensure/Verify that the backend of our web application is able to integrate with the frontend of our web application 9. API Integration when applicable 10. Manages the KanBan Board on GitHub
Dinesh	Software Architect and Backend Developer	1. Select our technology stack/deploying methods 2. Developing our project architectural solution 3. Evaluate/Gather function and non-functional requirements 4. Provide development time estimates 5. Quality Assurance and Testing 6. Manage/Create database for our web application 7. Backend coding and maintaining/debugging the code 8. Ensure/Verify that the backend of our web application is able to integrate with the frontend of our web application 9. API Integrations when applicable 10. Ensure/Verify code quality
Favor	Frontend Developer and UI/UX Designer	1. Frontend coding in Javascript/CSS/HTML [Frameworks and Libraries included] 2. Debugging frontend code 3. Verify/Ensuring that the user interface is optimal for the user(s) 4. Developing low-fidelity and high-fidelity prototypes for our application 5. Developing user interface,storyboards, and sitemaps of our web application 6. Debug UI/UX errors 7. Collect user requirements with other members of the team 8. Verify/Ensure the software/application flow

Next up

- Team:
  - complete Lo-Fi and Hi-Fi prototypes
  - Storyboarding and user story maps
  - Complete remaining documentation (Github and Wiki)
  - Propose this application to RAs at the UofR residence to get pre-registered users to test the application when we get to the testing phase.
- Dhruv:
  - Study back end tech stack
  - Tutorials/online courses to become familiar with stack
  - Lo-Fi prototype
  - Arranging a proposal meeting with the UofR residence
- Abraham:
  - Study front end tech stack
  - Tutorials/online courses to become familiar with stack
  - Lo-Fi prototype
  - Update Github and Wiki
- Dinesh:
  - Study back end tech stack
  - Tutorials/online courses to become familiar with stack
  - Lo-Fi prototype
  - Document the MVPs
  - Layout the architect of the implementation phase and deadlines

- Favor:
  - Study front end tech stack
  - Tutorials/online courses to become familiar with stack
  - Lo-Fi prototype
  - Hi-Fi prototype

Team Reflection

- Does the team feel "on track"? (reiterate the above colour status)?
  - We are on track as we already chose the tech stack we want to use and completed the necessary documentation.
- What progress does the team particularly feel good (great) about?
  - We feel confident about our idea and our approach(technical/non-technical) to create the project.
- What barriers (if any) does the team feel are a current impediment to success?
  - Limited knowledge on the technology stack we plan to use to build/develop our project.
- What help (if any) does the team require to move positively forward?
  - Th team requires technical expertise and guidance in context of our technology stack.
- What questions or concerns does the team have (if any)?
  - Is there a restriction to how early we start the technical part of project?

Thanks!

Any questions?

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Credits

Special thanks to all the people who made and released these awesome resources for free:

- ✖ Presentation template by SlidesCarnival
- ✖ Photographs by Unsplash