

Team member introductions - **Dhruv**

Hello we are the 4 codesmen,

Abraham: Frontend Developer and Documentation Manager

Dhruv: Team Lead and Backend Developer

Dinesh: Software Architect and Backend Developer

Favor: Frontend Developer and UI/UX Designer

Project background & business need/opportunity - Dhruv

For our capstone project we are building a web application for U of R residence. We are building a digital platform that allows U of R Residence students to connect with each other, make friends, help each other out academically, and be part of residence life. There is no doubt that living in residence is lively but this is not the case for all students. Living on residence for some students could also bring isolation and minor to zero socialization, especially for the students who are international and/or are not from Saskatchewan/Regina, this also includes domestic students. We have a solution to this problem, it does not matter where the students are from and how strong their network is, with this application we can decrease that social gap and give a digital platform for students to broaden their network at U of R [Includes U of R and U of R Residence]. With our web application students will also be updated about events that are taking place at U of R Residence. This is how we will be innovating the campus life for students and make living on campus fun and social for all students.

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 There is an application for U of R Residence however it is outdated and requires a major upgrade. We believe this is an opportunity for us to build an application for U of R Residence that not only replaces the old application but also enhances the experience of living on campus. Not just U of R, we believe that with this application we have the opportunity to go beyond U of R and share this digital ecosystem with other university residences as well.

Reason - Abraham

Through our community research with some fellow university residents and a discussion with a resident assistant, as well as our own experiences, My team and I discovered that there is a gap in the experience that university residents get from living on campus. We feel they should feel connected in all the ways possible, not only to their school, but to their fellow residents and the city, and we want to be able to allow that space of possibility.

We as students have all experienced the transition from high school to university, where there can be sort of a fear of the unknown. That experience can be entirely different if you are coming to campus from a different country, or different province, or even city. We want to be able to relieve some of those fears by connecting people with similar experiences, and allow them to know more about what possibilities exist around them, and be able to decide where they want to engage their activities. Those possibilities can expand anywhere from what's happening around campus, deciding what to have for supper, to knowing where to meet people on campus to prepare for their next test.

Impact -Favor

When we are done, this project aims to bring people in a confined environment such as the residence at the University of Regina closer together. This impact is emphasized through factors such as collective information through event posts, academic excellence through study groups and most importantly dynamic recipes posts which teaches/enables individuals to learn new ways of cooking with different cuisine styles. Overall, we hope this application encourages users to continue to engage in an atmosphere of interaction making life at post-secondary smooth and fun.

Who -Favor

Audience: Our Northstar customer is exclusively post-secondary students who reside in their school's residence, although restrictive, setting such an audience allows innovation towards an application which can further aid students who are new to the environment e.g international students.

Opinion: The opinions of residence assistants and students living in residence via feedback matters. RAs opinions are crucial as they are responsible for ensuring events posted on the application are well in order. Students opinions matter because they are the main users of the application thus it must fit their criteria of a versed interface.

Reach: As of this first Minimum Viable Product, we hope to reach the residence at the University of Regina and towards future viable productions of this application, we hope to reach all Universities in Canada who have residence.

Audience Details: Our audience are the students in residence at the University of Regina located in Regina, SK, Canada. All information pertaining to this application will be made available digitally which will be embedded into the application itself, thus eliminating the case of misinformation or incomplete information.

What - Dinesh

Constraints: Lack of knowledge: since our project is web based we need to utilize some sort of web stack. Most of us are familiar with many but different web stacks. The group plan is to study and learn a new stack and standardize it. Another reason for this solution was new web stacks have many advantages over older ones such as fast and integration capabilities. However the limitations of this would be not enough documentation available additionally for free. Another limitation of choosing a new stack would be running into problems when using APIs for our project.

This all being said my team is very passionate and delighted towards their work and we will assist each other in any way possible.

The second constraint we will encounter will be lack of user involvement. Our project is about an application to serve U of R Residence. The plan is to involve the user as much as possible and develop in a fast feedback cycle, whoever students are very busy and have very limited time for us. Therefore we need to be extremely cautious and utilize users' time precisely.

Finally, the last major problem we will encounter will be different views of the project by the team. Our group consists of four members and since we are in the early phase of development we believe the team have different ideas on how the application will look like. Hopefully this will be sorted out during our lofi mock up of the application.

Another constraint during this project will be our scope vs time. My team has very great and useful features for this application but this would definitely enlarge our scope where we have limited time. In order to balance this scale and succeed we need to have a well layout plan and use time management methodology.

Limitations: features/ ideas not getting approved by the University. Our goal is to make the life of students better academically and personally. But some of our features such as booking a place in the university for study or entertainment purposes might be prohibited. Additionally integrating all of these into the application itself will create an overhead and we might not be that knowledgeable.