

School of Computing

CA326 Year 3 Project Proposal Form

SECTION A

Project Title : Socialise

Student 1 Name: James Fallon ID Number 18394123

Student 2 Name: Alex O Neill ID Number :18414882

Staff Member Consulted : Donal Fitzpatrick

Project Description:

Our proposed idea is a socialising/activity organising web-app with the intention of meeting new people based on common interests. This web-app will allow users to create and Manage activities or “events”. Users will also be able to join activities organised by other people.

The target audience for the web-app is individuals or small groups of people who are looking for a larger number of individuals to partake in a specified event or activity. It's intended to bring people together through common interests and to make new friends in the process.

The following are a list of features the web-app will include:

1. When users first open the app they are presented with a login screen. They have options to create a new account or sign in to an existing one. There will also be a “forgotten password” button.
2. If it is your first time logging in you will be presented with an array of bubbles. Each bubble will contain a popular pastime, hobby or interest. This will ensure that the user is only presented with activities that are suited to them.
3. A “home page” will be presented once the user has signed in. The home screen will have a map that shows all the activities in need of participants near you. It also presents the areas where there are clusters of users, but these users might not be part of an activity.
4. If you choose an activity, you are taken to the “activity home page”. This page has a feed of posts and communication from the participants. It will contain

necessary information such as time and date. It will also have a portion of the UI dedicated to other users in the event, with associated avatars. From here you can choose to message the host or you can request to message (ping) an individual user.

5. If you choose one of the clusters on the map, you will be presented with a filter page. It will ask “what do you want to do in this area”, filtering the amount of people with registered interest in your given hobby. Examples would be football, basketball, foodies, runners etc.
6. Every person will have a short bio attached to their account. The account can be kept private or only accessible to friends if wanted. The bio will display an avatar, a little bit about the person's interests and a little bit about their past activities either organised or attended.
7. There will be a rating system on all activities.
8. A search bar on the map home page will allow you to search activities or friends.
9. You will also be able to set up and receive notifications from other users or event activity.
10. A feature to allow existing groups (such as clubs or societies) to set up their own home pages, private to only their users.
11. An added feature may be a payment system for events if needed.
12. Also an added feature could be an option for paid plug_ins (such as the addition of google calendar integration)

Division of Work:

- We plan to divide the work based on the amount of features we implement
- For example, one will create the map with all it's features
- The other will create the structure of the user profiles and how they will join an activity
- Both of us will then work on the user interface and design
- This will allow both of us to focus on back-end and front-end development

Programming Languages:

- Java
- JavaScript
- SQL

Programming tool(s):

- Visual Studio Code
- MySQL
- GitLab

Learning Challenges:

- Using APIs
- SQL server to store login credentials
- Allowing communication between users

Hardware/Software Platform:

- Android
- Windows
- iOS
- Mac
- Google Chrome
- Safari
- Firefox

Special hardware/Software requirements:

- Users will need access to an internet browser to use this web app