# 1 Introduction

The project will be an online open forum web application. The web application will be used to post content, such as opinions, links, photos, ask questions and discuss about them on the forum. The open forum will be for users based in Ireland, helping them communicate with their community. Users will be able to post and upload to the application

The business will sell advertisement space to local businesses.

The main competitors are other open forums and social media. Facebook groups and reddit sub-reddits are the main competitors.

This web application will be able to fill a niche in the market which will provide a more local open forum for people and communities.

# 2 Requirement Analysis

This application will require full Crud functionality, phpMyAdmin, mysql, Apche server.

The application will have 3 roles, Users, Moderators and Admins.

It will require moderators to make sure the content is acceptable. They will have full crud functionality.

It will require admins to maintain and update the application. Admins will have all access including moderators’ access.

It will require a user base to upload content to the website and comment on posts

It will require each post to have an Id

# 2.1 User Requirements

Users will be able to post content. Users should be able to browse other people’s content and comment on it. This will require a home page for users to post to and browse. On this page should be a link to a post/write page where users can create their content and upload it. Users should be able to view an individual post also. This can be done by giving each post an id.

Graphical user interface, text, application

Description automatically generated

Users should be able to login and log out. All users should have a User Role to control permissions.

Register, Login and log out functionality will be required for the user



# 2.2 Functional Requirements

The application will need full crud functionality. Users will need to be able to post content. Admins and moderators will have to be able to delete and edit posts.   
A basic Ui will be required for users to interact with the website. Role permissions will be necessary to determine the permissions of each user.

Register, Login and log out, and delete functionality will be required for the admins

Business.   
Admins will need a section to upload advertisements to the website.

# 2.3 Non-Functional requirements

Users can comment on posts.

Admins can see all posts by a user

A nice Ui with nice Ux

Dark mode

Business being able to make and post their own advertisements in specific communities

A user being able to post and browse a certain forum

The ability to view another user’s profile

Customize profiles.   
Users could be able to upload photos, videos, links to other websites, and other forms of content

Shows number of comments and likes

Graphical user interface, application

Description automatically generated