Use cases:

1. MainPage

* User login
* Key word search
* Show all post
* Category

Example of categories/communities:

1. Gaming
2. Sports
3. TV
4. Travel
5. Health & Fitness
6. Fashion

* Topic in trending/ Topic by posting date/ topic category. Trending will be determined by number of clicks of the post.

1. Post:

* View, post, comment, delete, edit, share, save, report
* **Downvote/upvote** comments and contents

1. User account

* User login/Sign up
  + Forgot password/change password
  + Security question
  + Demographic info
  + Nickname
  + Email address
* Administrator
  + Delete post
  + Delete user
  + Delete comment
  + Block/Unblock user
* User info page
  + display name
  + history (post, comment)
  + bookmark list
  + reputation
  + about (joined date)
  + recent view

Requirement:

* Simple queries
* Aggregate queries
* Integrity constraints
* Views
* browsing and searching of entries (basic and advanced search features) and ancillary data, and
* creation, deletion, and modification of entries and ancillary data. Simple login and sessions may be required by the topic but advanced access control is not required. Extra credit will be gained by appropriate usage and demonstration of advanced SQL and DBMS features (e.g., advanced SQL queries such as aggregates, nested queries, views, non-standard integrity

constraints, triggers, and stored procedures).

The project deliverables are:

1. A brief report (with all team members’ names and matric numbers on the front page) containing:

* Indication of the web server, server page language and database management system used
* The ER diagram for the database
* The Relational Schema (in SQL DDL statements)
* A representative sample of SQL statements used in the system (with indication of how these
* statements help to implement certain features in the system)
* 2 or 3 representative screenshots of the Web interface