

## Project Proposal – Amethyst & Madison

The Forum package will allow users to search through forums (i.e. Reddit) to look at specific users, topics, and posts. It will also allow for special privileges for administrators.

**Package:** Forum

**Subpackages:**

### 1. Person

**Modules:**

#### 1. User(class User):

Functions:

1. Create an account, delete
2. Change password and/or username
3. Establish anonymous mode for posts
5. Prompt when opened, user must login

#### 2. Administrator(class Admin <- inheritance class User):

Functions:

1. Check the number of users
2. Delete other users
3. Check for flagged content (i.e. swearing, hate speech)

### 2. Content

**Modules:**

#### 1. Topic(class)

Functions:

1. Add topics
2. Add tags for a topic
3. Related topics suggestion

#### 2. Post

Import module1 (Topic)

Functions:

1. Add posts
2. Delete own posts (for user)
3. Add comment under a post
4. Check # of likes (upvotes), downvotes, comments