

## 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
2. Write a post under a given topic
3. Search posts under a given topic
- (4. Anonymous or not when post)

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

Functions:

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

### 2. Content

**Modules:**

#### 1. Topic(class Topic)

Functions:

1. Add topics
2. Delete topics (restricted to Admin)
3. Related topics suggestion
4. Add tags for topic

#### 2. Post(class Post(inheritance class Topic))

Import module1 (Topic)

Class Post(Topic)

Functions:

1. Add posts
2. Delete own posts (for user)
3. Delete posts (restricted to Admin)
4. Check # of likes (upvotes), downvotes, comments