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**Title**: Campus Talk

**Project Summary**: Platform for all the campus students to keep up to date with latest events happening across the campus. People can find other peers across the university with similar interests. Create/Subscribe to forums and participate in the on-going discussions. Also kick-start discussions on new ideas in these forums.

**Project Requirements**:

1. **Business Requirements:**
   1. Login email must be ‘colorado.edu’
   2. Updating the events from various sources to the database every morning
2. **User Requirements:**
   1. User Signs Up at the portal
   2. User Logs into the portal
   3. User creates the profile page when first time logged in
   4. User can view his/her profile
   5. User can modify his profile page
   6. User can invite friends through email
   7. User can view the events/posts on the news feed
   8. User can search for interested forums/ people with similar interests
   9. User can click on the displayed search results and can look at the forum/person profile.
   10. User can subscribe to the forum
   11. User can un-subscribe from the forum
   12. User can create a forum
   13. User can create a new forum post.
   14. User can reply to the forum post
3. **Functional Requirements:**
   1. User credentials should be stored in the DB and password should be in hashed format.
   2. Authenticating the User by validating the hash values.
   3. Validating and storing the inputs given by the User.
   4. Displaying error messages when validation fails.
   5. An email must be sent to the invited user email address with a link to signup page.
   6. Retrieve the events related information from the DB and sort them chronologically and display them on the news feed.
   7. Retrieve the user subscribed forum activity related information from the DB, sort them according to the timestamp and display them on the activity feed.
   8. During profile creation every user should be associated with tags in the DB which represent his/her interests.
   9. During new forum creation, every news forum should be associated with tags which represent the category of the forum.
   10. Whenever user searches, filter and retrieve the entries from DB by tags and display it on a new page.
   11. When user clicks on a search result, he/she will be redirected to the forum page /person profile.
   12. Create a mapping between the user and forum at DB level. (subscription)
   13. Remove the association between the user and forum at DB level. (unsubscription)
   14. Create session cookies when a person logs in.
   15. Check for valid session cookies during user actions.
   16. Show subscribe/unsubscribe buttons based on the user association with the forum.
   17. Mappings between forum-posts and posts-replies.
4. **Non-Functional Requirements:**

Performance:

* 1. The user login shouldn’t take more than 5 seconds if he/she provides valid credentials.
  2. The retrieval of search results shouldn’t take more than 7 seconds.

Platform Constraints:

1. The pages should be responsive for all devices (with different screen sizes and across platforms).