Details of team members (name and student number)

- Nishant Srinivasan, 7289 9685
- Rahul Nagulapally, 2507 7512

Project description and details:

- The project we will be undertaking will be option number 3, the myBlogPost website, where the user will post blogs onto the website which will be updated in real-time.
- Users will be able to create, update and delete posts of a user while also updating the website in real time to how posts are made by users.
- Guests will be able to read posts by other users but are unable to edit or make any posts themselves.
- Administrators will have the ability to delete, update and create any accounts and posts for the entire website.

Requirements list of what (at a minimum) your site will do (you will need to explore existing sites to understand their functional offerings). You should be able to understand from reading this document exactly what a user/administrator will be able to do on the site. You will receive feedback on this so that you can direct the efforts of your project accordingly.

Baseline Objectives

- Users requirements
    - Browse discussions without registering
    - Search for items/posts by keyword without registering
    - Register at the site by providing their name, e-mail and image
    - Allow user login by providing user id and password
    - Create and comment when logged into the site
    - Users are required to be able to view/edit their profile
    - Profile/account
    - Register / Login / Logout
    - Post page
        - Blog Posts (CRUD)
            - Comments (CRUD)
    - Multiple users

- Administrator requirements
  - Search for a user by name, email or post
  - Enable/disable users
  - Edit/remove post items or complete posts
  - Same requirements as a user

Functional requirements

- 2 or 3-column layout using appropriate design principles (i.e. highlighting nav links when hovered over, etc) responsive design
- Form validation with JavaScript
- Server-side scripting with PHP
- Data storage in MySQL
- Appropriate security for data
- Site must maintain state (user state being logged on, etc)
- Responsive design philosophy (minimum requirements for different non-mobile display sizes)
- AJAX (or similar) utilization for asynchronous updates (meaning that if a discussion thread is updated, another user who is viewing the same thread will not have to refresh the page to see the update)
- User images (thumbnail) and profile stored in a database
- Simple discussion (topics) grouping and display
- Navigation breadcrumb strategy (i.e. users can determine where they are in threads)
- Error handling (bad navigation)
- Hand-styled layout with contextual menus (i.e. when a user has logged on to the site, menus reflect the change).

Additional Requirements

- Main page / explore page (Search and analysis for topics/items)
  - Search and view as a guest
  - Dropdown Categories
- Responsive layout for mobile
- Tracking comment history from a user's perspective
- Styling flourishes (looks professional and high quality)
- Activity by date

- Collapsible items/treads without page reloading