



Entity Description

Inbox: The storage place for messages sent or received by a given user of the application. Each conversation in the inbox is composed of messages with a unique set of recipients.

Message: A textual communication between users. Contains a sender and a set of recipients, including the message itself, with any additional data (pictures, attachments, etc) included.

Users: Unique person in our system with a biography, interests, skills, profile picture, current and former projects, contact information, and an inbox defined by themselves.

Project: Unique Project in system, created by a User. Has Positions that Users will apply to, and Updates that will be published to a Feed. Represents the home page and attractive entry point to a team and idea. Users can either apply to join the project's team, or follow the updates of this project.

Positions: A position desired for a given project. Includes a title and a description of their duties, as well as a list of skills and interests applicable to this position by the person who created the position. This position is then advertised to the rest of the user base, so that users can then apply for this position.

Updates: Report the latest changes and advances from a project team. These updates are then pushed out to all the users that follow the given project.

Feed Item: An item that will be used to populate a feed. Could be a status update from a followed project, a job position recommendation, or some news from a current project.

Widget and Page Use of Entities

Navbar

- Users: User's name and link to their profile on the top right
- Inbox: Access to the inbox page
- Message: Create new messages in any page view.

Left Sidebar

- Project: Projects that the user is a member of will be listed on the left side of the page for easy access.

Job Board

- Feed Item: A list of feed items specifically pertaining to open job positions that the user seems qualified for.
- Positions: Descriptions and statuses of joinable positions

Main Feed

- Feed Item: The main feed is populated with feed items pertaining to job openings and updates from following and member projects.
- Positions: The main feed will use position entities that are "open" and that match the user's profile criteria to populate the main feed with top open positions.
- Update: The main feed will utilize update entities to display information about projects that the user is a member of and updates on projects that the user follows.

Inbox Page

- Messages: Textual messages that can be created and sent from one user to another, stored via the inbox page.

Profile Page

- Users: Will pull all the data from the User data object to populate the Profile Page, including personal biography, contact info, skills, user image, and user banner.
- Project: Pull data from previous projects and current projects to describe team, contributions, and position filled.

Project Page

- Project: A given Project page will contain information regarding that specific project, and will need access to this information.
- Positions: The Project page will display the currently available positions for the project.
- Updates: The Project Page will display recent updates in the project to the user.
- Users: Will display the users currently holding a position on the project, most specifically the admins of the project.

Create Project Page

- Project: The different aspects or requirements of a project can be created and defined.
- Positions: The positions deemed necessary for the completion of a project can be defined while creating the project.