

CodeScheme

Team Members:

Shenlin Guo: kenneth.guo@mail.utoronto.ca

Bogdan Vochin: bogdan.vochin@mail.utoronto.ca

Courtney Siu: courtney.siu@mail.utoronto.ca

Julia Yang: julia.yang@mail.utoronto.ca

PROJECT DESCRIPTION

A website that matches users to available side-projects in the field of computer science, based on a survey of interests and skills. Also allows users to create side-project ideas that can be posted on the website for other users to browse through, or be matched with. Tags are used to easily filter through the different programming languages, skills, and interests. The website also offers an easy way to schedule meetings by taking account the group members' available times.

FEATURES AND REQUIREMENTS

- Account Management
 - Three levels for a particular project: creator, moderator, contributor
 - Create an account with email, username and password
 - Users can reset their passwords for their account
 - Users can delete their account
 - Form validation (ensuring mandatory fields are filled out, passwords match)
 - Project creator/admin can add/remove users to project
 - Passwords are hashed and salted
 - Confirmation emails sent when signing up
 - Users choose their general weekly schedule
 - Link Github account
 - Login with Facebook OAuth
- User profiles
 - Users can create a profile when they create an account
 - Past projects organized by Creator and Contributor
 - Show github account if added
 - List specific programming languages that the user is familiar with
 - List skills user know (tools, programs, etc)
 - Include the level of each skill a user knows, based on a five-star system
 - List skills user would like to learn
 - List user interests
 - Show user info (bio, school, city, etc.)
 - Let users edit info on profile (bio, school, city)
 - Users can take a survey that will match them to several potential projects
 - Allow other users to send this user a private message
 - List of projects they're following

- Users can choose and change a profile picture
- Project profiles
 - Number of users the project needs
 - Show user who created the Project
 - Checks your role and allows creators/moderators to edit project profile, members, tags, etc.
 - Moderators and creator can view requests to join and accept/reject them
 - Creator can archive a project, so that it will not display in search results
 - Request to join project button
 - Link github repository for the project
 - List of users working on the project
 - List of skills/programming languages used and the level for each one
 - Description
 - Tags
 - Allow moderators to add a picture to the project
 - Allow users to follow projects
- Add a project
 - Form with required fields: project name (can be tentative), description, tags, skills
 - Optional fields: skill level, number of members, github link
 - Form validation (ensure mandatory fields are filled out)
- Dashboard
 - Create project
 - Show projects the user is a part of
 - List projects the user is following
 - Explore projects
 - Search for projects
 - User's next scheduled meeting
 - Private messages
 - Login/Registration
 - Account button (links to own profile when logged in)
- Searching
 - Users can filter projects by city or institution
 - Users can filter projects by skills/programming languages and their level
 - Can filter projects by skills/languages they don't want to do
 - Users can search for projects by name
 - Users can search for other users by name
 - Users can search for users and filter by city/institution and skills
 - Top searched/followed projects displayed first when browsing
- Scheduling
 - User profile have their schedule
 - Update user profile with a temporary change of schedule that will be removed after set time.

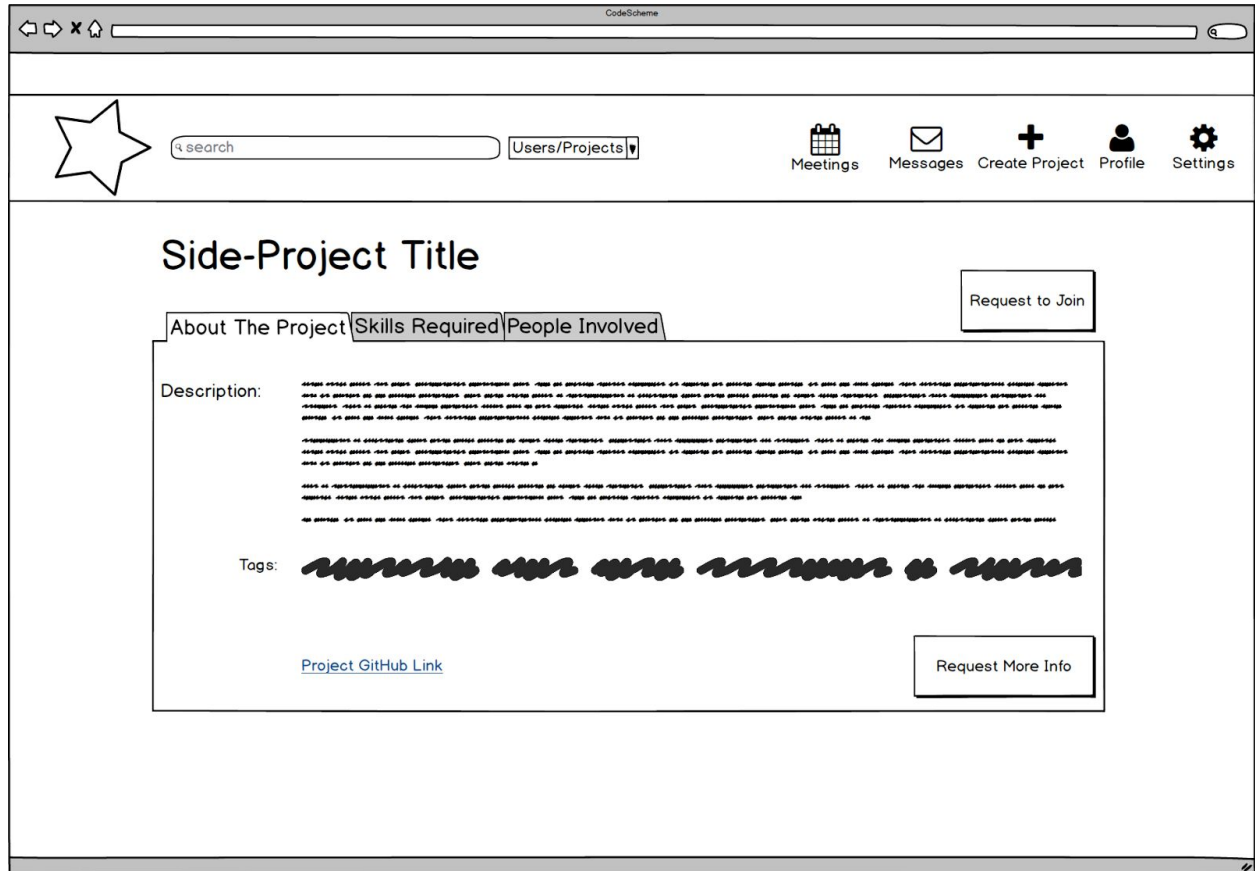
- An aggregate timetable with visible conflicts of different users involved in the project.
- Display project schedule with subset users.
- Add events to project schedule.

WEBSITE MOCKUPS/WIREFRAMES

Project Search

The wireframe illustrates a web application for searching projects. It features a browser window at the top with the address bar showing 'http://codscheme.com/search'. The main navigation bar includes a search input field with a dropdown menu set to 'Users/Projects', a search button, and several utility icons: Meetings, Messages, Create Project, Profile, and settings. On the left side, there is a 'Filters' sidebar with sections for 'Location' (a text input), 'School' (a dropdown menu with 'UofT' selected), 'Skills' (checkboxes for 'Javascript' and 'NodeJS', each with a slider and an 'x' to remove the filter, and an 'Add Skill' button), and 'Exclude' (a checkbox for 'Ruby on Rails' with an 'x' to remove the filter, and an 'Apply' button at the bottom). The main content area is titled 'Search Results' and includes an 'Order by' dropdown. It displays a grid of search results. The first result is a card for a project, showing a placeholder for an image, the project name, the user who created it, a short description, the number of teammates needed, tags for 'skilltogs', and the location. Below this card is another large placeholder box. To the right of the first card are two more empty placeholder boxes, suggesting a grid layout for multiple results.

Project Profile



Project Dashboard

