

CodeScheme

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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
 - Survey of user's skill levels, interests, etc.

- The results of the survey would be used to display projects which most closely
 - 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.
 - Users can request to join by clicking a button on the project profile page
 - Moderators and creators can view requests to join on the side of the page with options to accept/reject
 - Accepting users will add them to the "members" list for the project
 - The user can then have access to the meeting schedule for the project
 - Creator can archive a project, so that it will not display in search results
 - Moderators can delete project
 - 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), short summary of the project, 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 (ie. tags) (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
- search results for project show name, short description, number of members needed, skills/languages used, location, creator
- Top searched/followed projects displayed first when browsing
- Scheduling
 - User profiles have a general weekly schedule for each user
 - An aggregate timetable on project pages that show which users in the project are available at each time based on their weekly schedules

WEBSITE MOCKUPS/WIREFRAMES

Project Search

CodeScheme - Search

http://codscheme.com/search

Users/Projects Search

Meetings Messages Create Project Profile settings

Search Results

Order by ▼

Filters

Location

School

Skills

Javascript

NodeJS

Add Skill

Exclude

Ruby on Rails ☐

Apply

Project Name Created by User

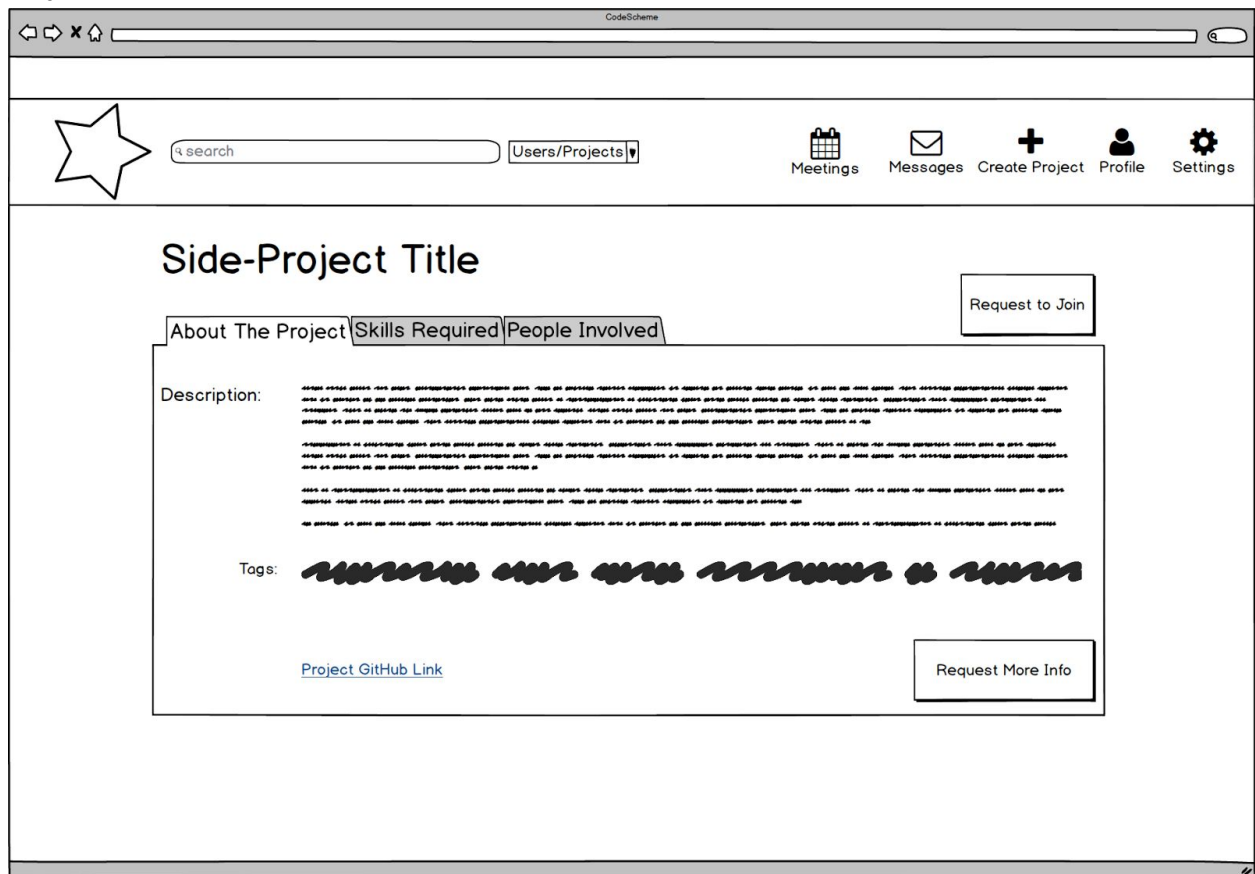
Short description

teammates needed

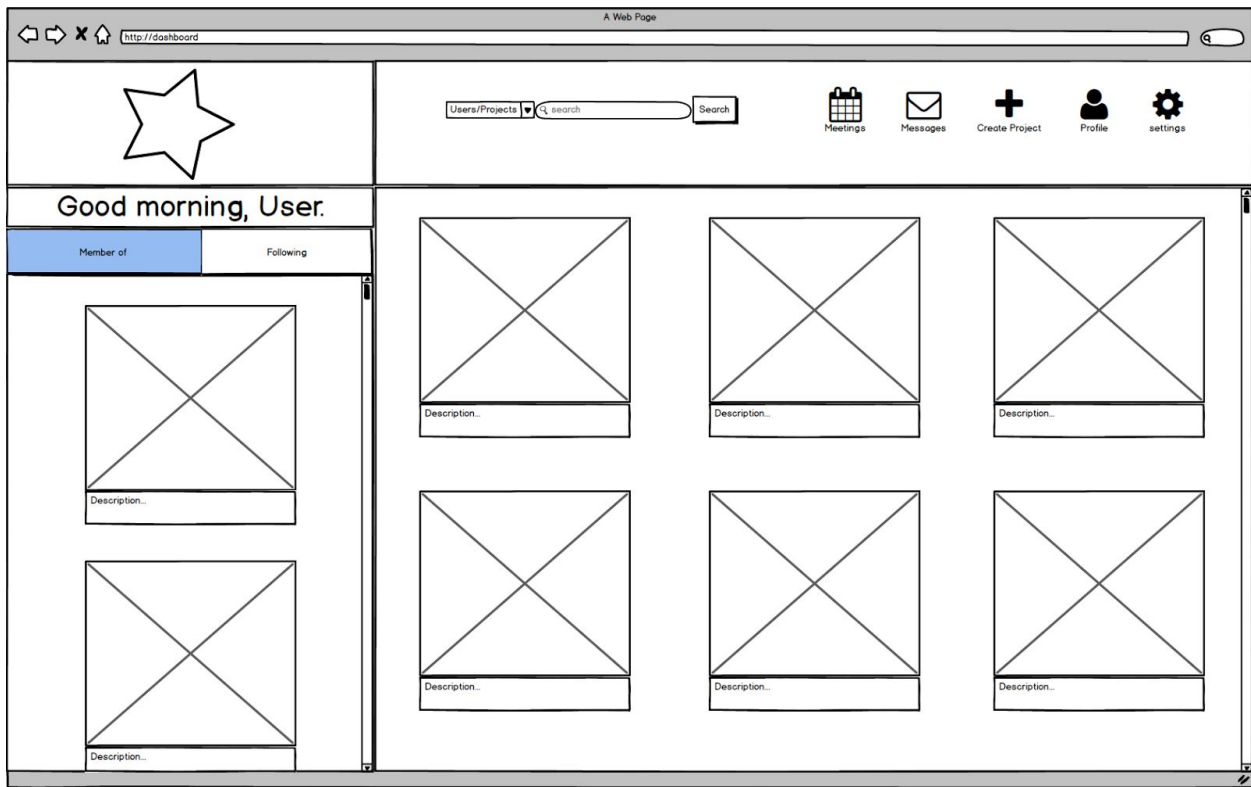
skilltags skilltags skilltags

Location

Project Profile



Project Dashboard



User Profile

http://

A Web Page

Star

ComboBox search

Meetings

Messages

Create Project

Profile

settings

UserName

Title (eg. Software Engineering)

Invite

Message

Description

Skills

CSS

Java

HTML

Python

C

Projects

#

Title

Project Short Description

CSS

C

Java

HTML

Repository

GitHub

SVN

Past Projects

#

Title

Project Short Description

CSS

C