

CSC309: Programming on the Web

Phase 1: Project Specification Document



Team 05: Teameet

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Part I: Project Description

Teameet provides a great platform that allows users to find the right person to be their teammate for their labs and course projects in a more convenient way. Typically, the platform provides diverse functionality for three kinds of user identity as the following.

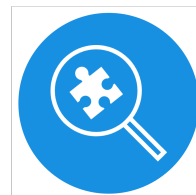
With the identity of “Instructor / TA”, the user can create the section for a particular course, set requirements of the team and check the situation of team formation in the user’s own section.

With the identity of “Student”, the user can get a list of suggested potential team members based on the information and preferences provided while registering and searching respectively, then send the invitation to the one in interest to work together. Also, the user can see the list of groups in need of talents in that course, and choose any one of them and join after being accepted by other team members.

With the identity of “Administrator”, the user can monitor the status and statistic data of normal users’ usage, and also the user can give the authority clearance to those instructors after the identity check.



Part II Logo Design

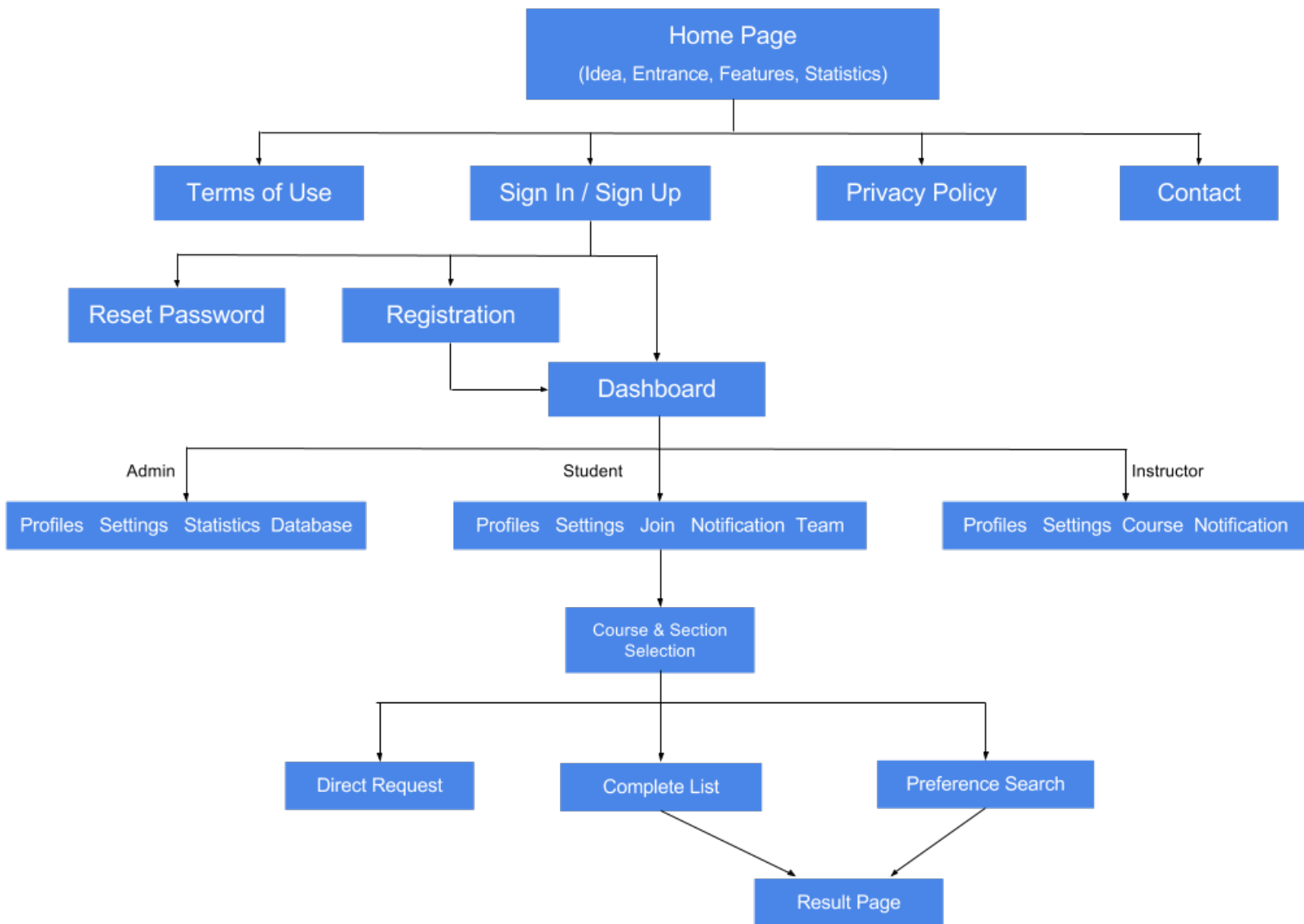


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Part III: Design of Site Flow



Part IV: Development Stack



Server-side Environment



Database



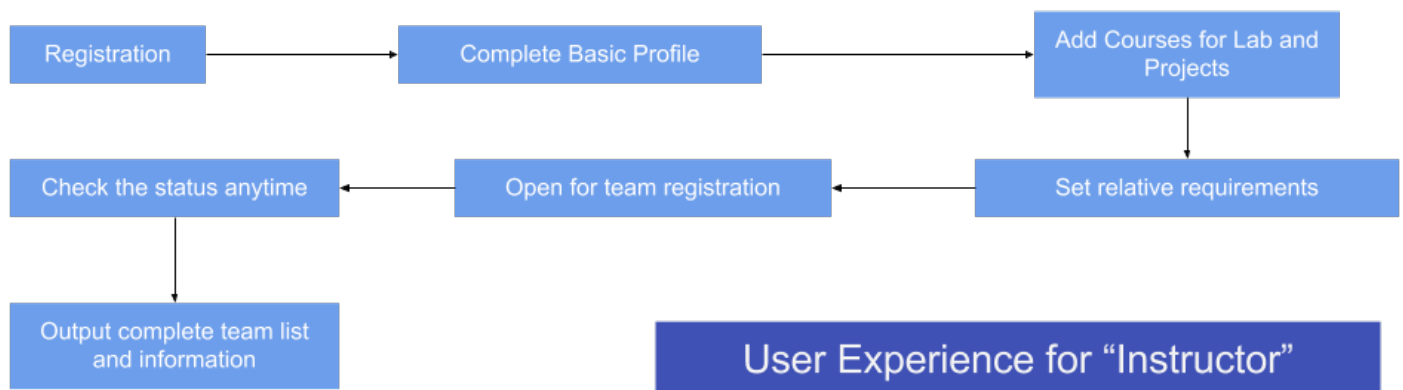
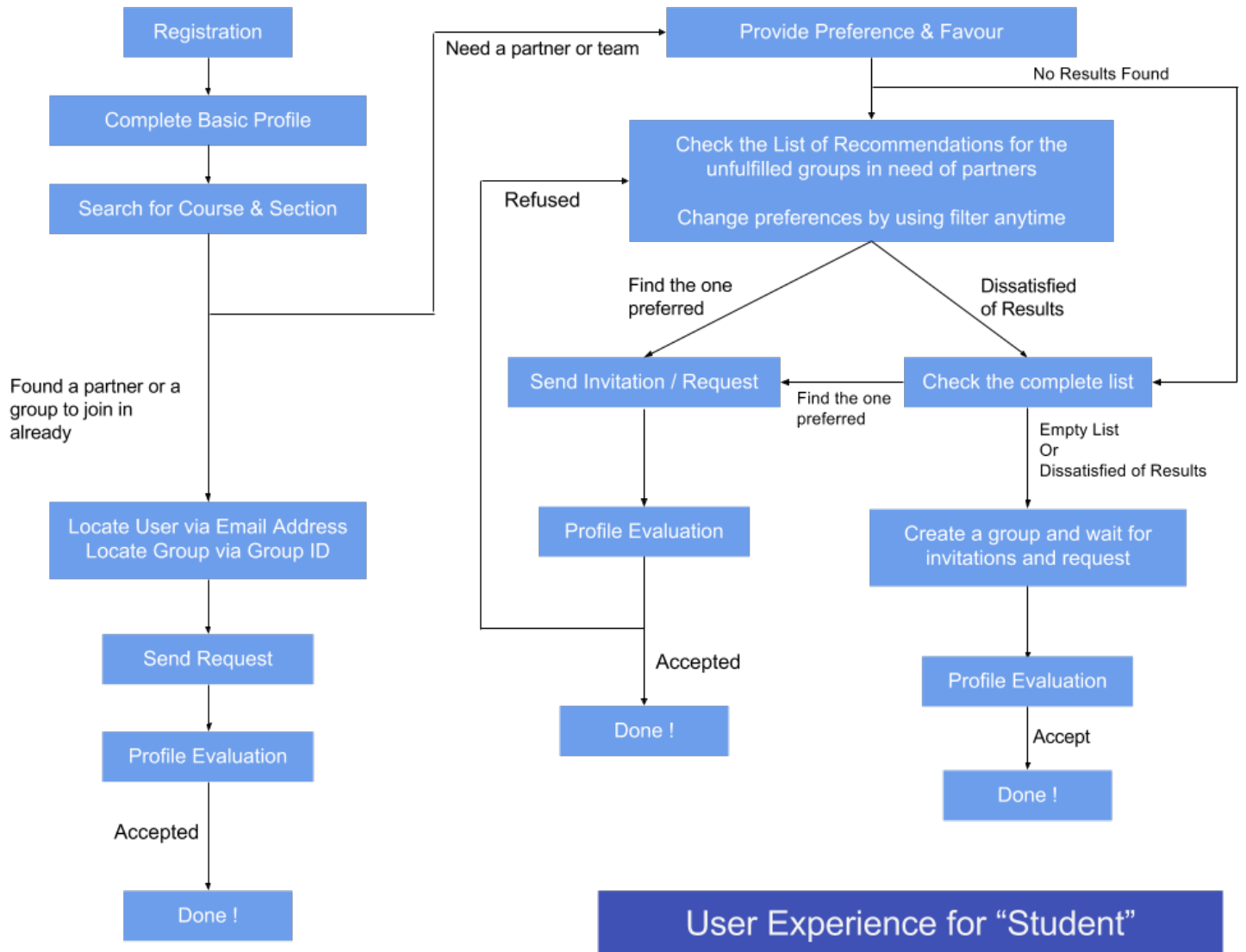
Server-side Framework

* Brand logos are referenced to wikipedia

** Final decision will be made later

Part V

User Flow and Requirements



- Account Registration (10)

- ✓ User Authority Group: Student, Instructor/TA, Administrator
- ✓ Registration for administrators must be blocked on frontend page.
- ✗ Allow users to register or login with third-party authentication (Google)
- ✓ Account Creation (account-type, name, email, password) for step 1
- ✓ Passwords must be encoded by hashing and salting
- ✓ CAPTCHA test (or Google reCaptcha test)
- ✓ Form validation using HTML5 features
- ✓ Send emails to user for identity confirmation
- ✗ Admin must confirm the identity of instructor / TA manually before providing authority clearance
- ✓ Request user to provide information of educational background, academic program, language skills, gender for the step 2 of registration process

- Account Management (Profile & Settings) (10)

- ✓ Allow user to suspend the account
- ✓ Allow user to change the password
- ✓ Allow user to change the email address
- ✓ Allow user to set the frequency of receiving email notifications
- ✓ Allow user to change the preference information
- ✓ Allow user to provide phone number by option
- ✓ Allow user to upload the profile image by option
- ✓ Allow user to hide the profile to other users

- ✗ Allow user to link the account with third-party service account
- ✗ Allow user to change the style of dashboard
- Main Page of Dashboard (4)
 - ✓ Display enrolled team and information
 - ✗ Display memos and information related to the team activities
 - ✗ Display the agenda and task status of the enrolled teams
 - ✓ Display welcome page for the new user
- Course Creation & Management (7)
 - ✓ Only allow the “instructor” to create the course and the section
 - ✓ Require “instructor” to set the available time window for team registration
 - ✓ Require “instructor ” to set the limit for the number of members per team
 - ✓ “Instructor” can input the description useful for the team formation,
including other restrictions and so on
 - ✓ Allow “instructor” to dismiss a course or time section
 - ✓ Allow “instructor” to update all the properties mentioned above
 - ✓ Form validation to check the completeness of all input fields
- Team Registration / Join (10)
 - ✓ Allow user to directly form a team with others, by providing the email
address of the partner, or ID number of the team
 - ✓ Use the middleware to send invitation email to the corresponding users
 - ✓ Join the team automatically until all team members accept the invitation
 - ✓ Allow user to search for teams to join by starting with a general search

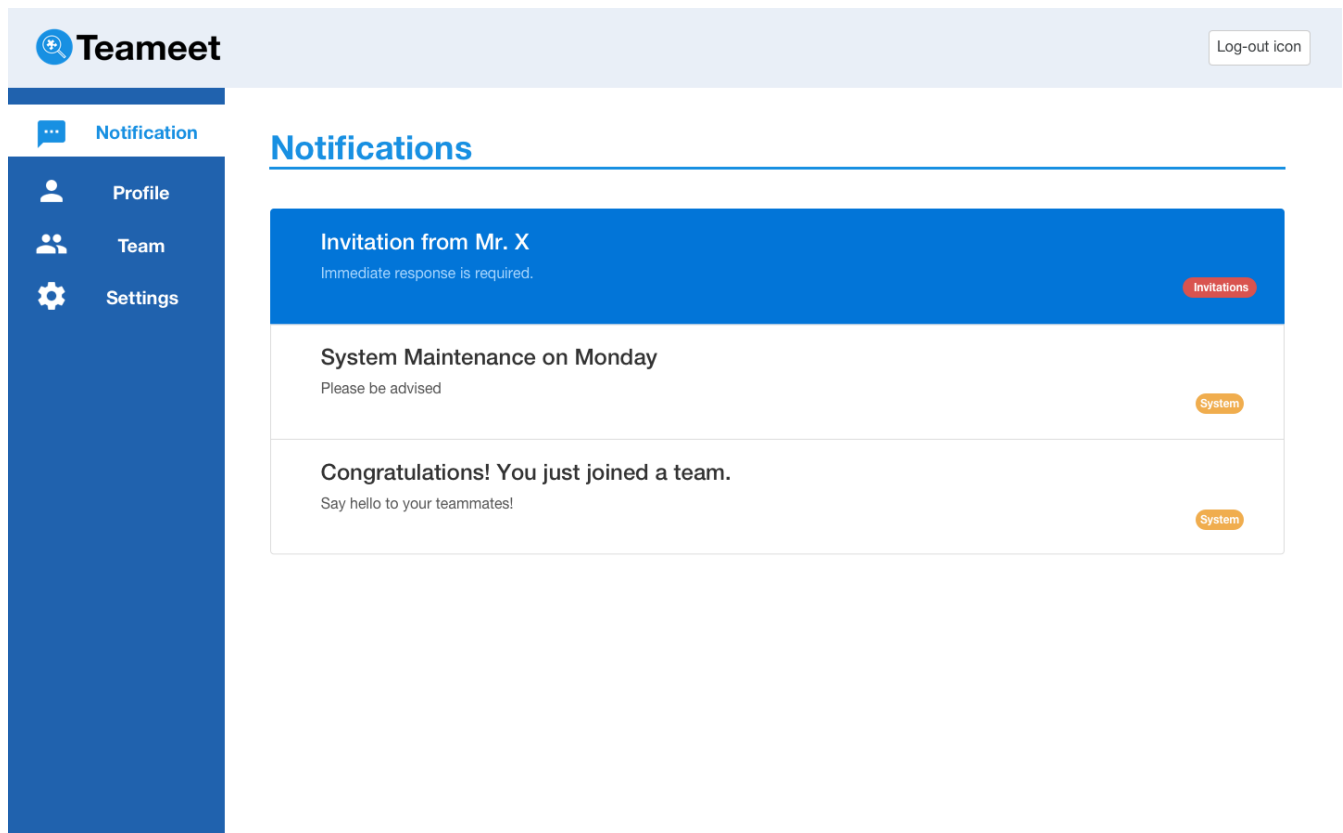
- ✓ Ask user to enter the name of university and the course code for the range of general search
- ✓ Help user autocomplete the input
- ✓ Use form validation to check the completeness of all input fields
- ✓ Allow user to choose whether to be visible to others during the waiting session for team formation
- ✓ Allow user to set the status of discoverable in a course for teams
- ✓ User must create the group after searching, in order to guide the user to make good use of the existing resource
- Team Management (6)
 - ✓ Allow “instructor” to output the details of all teams
 - ✓ Allow “instructor” to view the detail of the team
 - ✓ Allow user to quit the team
 - ✓ Display the team general information, including name, description, number of members
 - ✓ Allow “instructor” to dismiss any team
 - ✗ Allow user to give a mark and comments to members as peer evaluation
- Notifications (4)
 - ✓ Let user receive the request/invitation from other users
 - ✓ Allow administrator to broadcast notifications related to the system
 - ✓ Display time, title, sender and content information in the info blocks

- ✓ Display the list of notifications at first, then allow user to choose anyone for details
- [Dashboard for Administrators \(4\)](#)
 - ✓ Check the statistic number of users, teams, etc.
 - ✓ Suspend other accounts by overriding
 - ✗ Monitor the service status via Google Analytics
 - ✗ Check the service ticket for help and support required by users
- [General Result Page \(8\)](#)
 - ✓ Display the complete list of teams in the corresponding course and section
 - ✓ Set the filter for searching preferences to minimize the criteria, including preferences and the section
 - ✓ Allow user to search in the list by entering keywords into the search bar
 - ✓ Use AJAX to show 10 search results per page
 - ✓ Allow user to sort the list by relevance, time, alphabetic order, and fewest members in need
 - ✓ Display the team information, including name, description, number of members
 - ✓ Allow user to view others' profile to know the personal info
 - ✓ Allow user to see the general information of other classmates
- [Home Page \(7\)](#)
 - ✓ Set entrance for Login and Registration

- ✓ Display the introduction and the statistic data, including the number of users, teams and universities involved
- ✓ Show features of this website
- ✓ Use Animate.CSS to show the animation of some major elements
- ✓ Realize the single page scroll for contents
- ✓ Dashboard Button (if logged in)
- ✓ Notification Button (if logged in)
- Login Page (4)
 - ✓ Input field for user's email address and password
 - ✗ Entrance for third-party authentication login
 - ✓ Options of "Forget Password" and "Registration"
 - ✓ Hide characters for password input field

Part VI

Website Prototype Design



Find a Team

Direct Request

Enter the email of your partner
or
group id of your team

Search Tool

Find your team based on your preferences

Let's find your course first

University

Course

Please enter the course name or code

Section

Submit

Find a Team

Filters

Secondary ▾

Secondary ▾

Secondary ▾

Create a Team

Sort ▾

Search

Result 1

Result 1

Result 1

Result 1

Result 1