

CourseTackle Phase 2

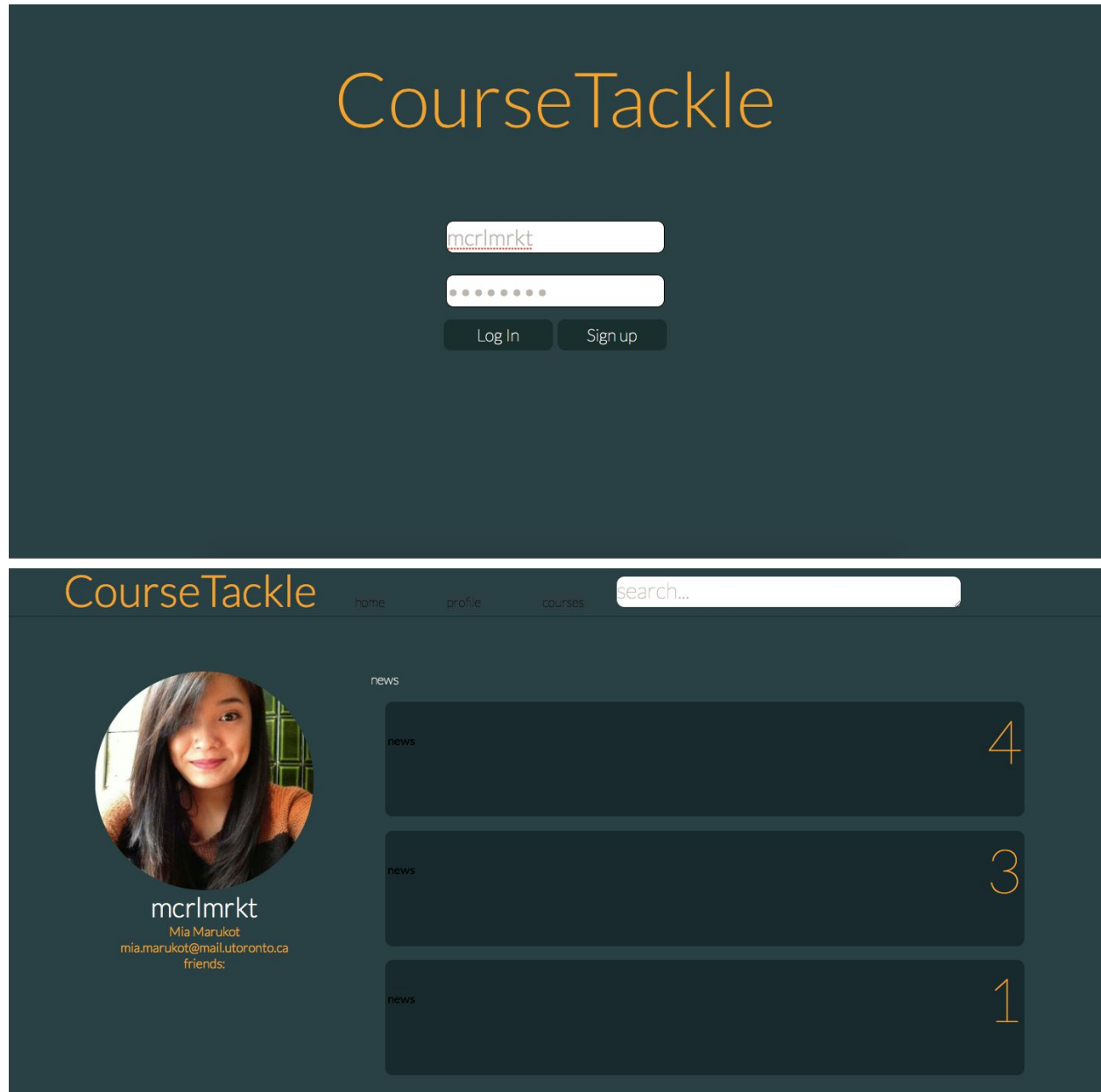
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Layout



Modules

User Authentication

The user register and login page where users fill out their information and authenticate themselves.

Name	Description
Login(USER_NAME, PASSWORD)	User authentication
Register(USER_NAME, PASSWORD, USER_INFO)	New user registration where name, information and password are filled out

News Feed

Home page for when a user logs in. Each feed will be unique dependent on who their friends are and which courses they are taking and will take. Displays top 15 most recent activity.

Methods

Name	Description
updateNews()	Updates the news feed when new activity occurs
getCourseActivity(COURSE_ID)	Return most recent activity from COURSE_ID and time it was performed
getFriendActivity(USER_NAME)	Return most recent activity from USER_NAME and time it was performed
displayActivity()	Display activity on news feed from most recent activity to latest

Friends

Each users have a list of friends that they are connected to.

Methods

Name	Description
addFriend(USER_ID)	Sends invitation to USER_ID from current user
acceptFriend(USER_ID)	Add USER_ID to user's list of friends and adds current user as a friend to USER_ID

rejectFriend(USER_ID)	Remove request from current user and does nothing.
updateFriends()	When new user invitation is accepted update current friend's list
displayFriends()	When new user invitation is accepted display new friend
checkFriend(USER_ID)	Check if user and USER_ID are already friends
notifyFriends()	When user performs new activity notify friends to be showed in news feed.

Search Engine

A search engine (database queries) is needed to perform course searches/friend searches.

Name	Description
searchFriend(USER_NAME)	search for friends by their user name
searchFriendByInfo(USER_INFO)	search for friends by their info like (Email, school, etc)
searchCourseByID(COURSE_ID)	search for course by course ID, (e.g. searchCourseByID(CSC) returns all computer science courses)
searchCourseByName(COURSE_NAME)	search for course by course Name, (e.g. searchCourseByName(Algorithm) returns all courses that has "Algorithm" in their name)
searchCommonCourses(USER_ID)	search for courses taken in common with an user by ID

Profile Page

A user's profile page which contains a 'wall' for communication, holds a friend list, personal information and courses commented and rated on.

Name	Description
getListOfFriends(USER_ID)	get a list of all the friends on your friend list
postComment(USER_NAME, CMT_ID, CMT_DETAIL)	posts the message on someone else's wall along with the current student's username and time
getUserInfo(USER_ID)	gets the user's personal information to display

displayPicture(PIC_ID)	changes the user's profile picture while checking the size and format
modifyUserInfo(USER_INFO)	Replaces the user's info with the one provided
modifyPassword(PASSWORD, CUR_PASSWORD, NEW_PASSWORD)	Replaces the user's password with the one provided while comparing PASSWORD and OLD_PASSWORD. If old ones matches then assigns NEW_PASSWORD to PASSWORD
displayCourses()	Display ten or less courses taken by the user

Course Page

A Course Page where users can add/edit courses they have taken and courses they will take

Name	Description
AddCourseTaken(COURSE_ID)	adds a course you taken by ID
RemoveCourseTaken(COURSE_ID)	removes a course you taken by ID
getAllCoursesTaken(USER_ID)	return a list of all courses the User have taken. List of COURSE_ID is returned

Course_ID's Page

A unique page for each COURSE_ID which includes its own 'wall' where users can comment and rate the course

Name	Description
postComment(USER_NAME, CMT_ID, CMT_DETAIL)	posts the message on the course_ID's wall

List of Pages

There would be the following pages:

- A **Login Page** where user can log in, or sign up if they don't have an account for CourseTackle.
- A **SignUp Page** where user has to provide his/her information such as first name, last name, username, password, and email address and field of study.
- A **Newsfeed Page** which contains the user's most recent activity such as a course they've added, rated and commented on and their friend's activity.

- A **Profile Page** which contains the user's profile picture, his/her friends, courses taken, program enrolled in, basic information, and a 'wall' where users can communicate.
- An **Edit Profile Page**, where users can modify their username, names, email address, password and profile picture.
- A **Course Page** where users can add/edit courses they have taken and courses they will take
- **COURSE_ID's page**, a unique page for each COURSE_ID which includes its own 'wall' where users can comment and rate the course
- **Search Results Page** a unique page for each search query

UI Elements

User Name: USER_NAME The unique login name of the user.

User id: USER_ID An unique id for system to use.

User information: USER_INFO Containing all the information(email, school, etc) of the user.

User password: PASSWORD The password of the user.

User current password: CUR_PASSWORD The current password that the user provides when changing it

User new password: NEW_PASSWORD The new password of the user when changing the old one

User field: USER_FIELD The major study field of the user.

User courses: USER_COURSES All the courses the user took.

User comments: USER_COMMENTS All the comments the user wrote.

Field id: FIELD_ID An unique id for the field

Field name: FIELD_NAME A name to describe the field

Picture id: PIC_ID An unique id, in form of the picture's url, for the display picture

Comment id: CMT_ID An unique id for the comment.

Comment detail: CMT_DETAIL What is written in the comment by the user

Follow up comments id: FOLLOW_CMT_ID All the id of the comments following up the current comment.

Comment rating: COMMENT_RATING Rating for the comment.

Course id: COURSE_ID An unique id for the course.

Course name: COURSE_NAME The name describing the course.

Course code: COURSE_CODE The code name of the course.

Course field: COURSE_FIELD The field the course belongs to.

Course comments: COURSE_COMMENTS All the comments of the course.