DEAKIN UNIVERSITY

# SIT313

## iCrowdTask Web Application Login Page

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# SIT313 - Developing Client-Server Web Applications

## iCrowdTask Web application (Login Page)

### Overview

This task intends to provide you with experience in Node.js, Express and MongoDB. You are given the requirements of a Login page for iCrowdTask web application. Your task is to build this component.

You will find "Demo Videos" of Week 2-4 Practical on the unit site to be particularly useful as a reference for this task. Please also keep an eye on your email and any announcements that may be made on Cloud Deakin.

### Submission Details

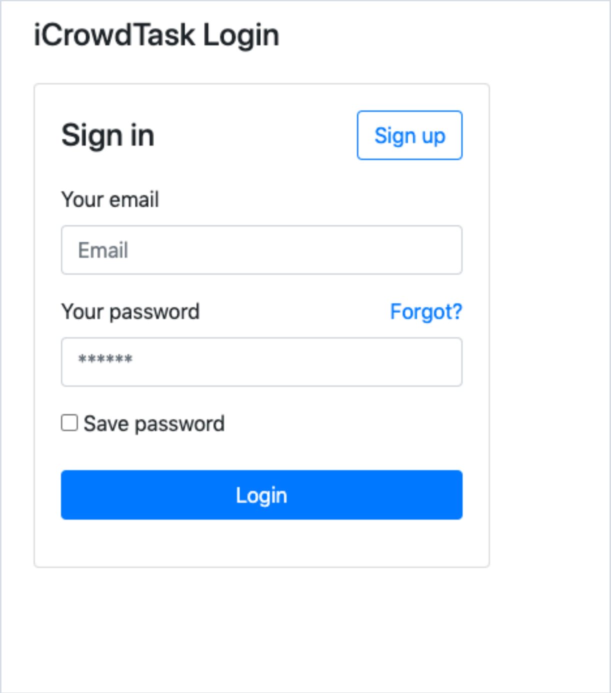
You must ensure that all your program files used for this task sit in a directory called "Task5.1C". This directory should contain a subdirectory called "public" where your CSS files and images are placed under "public/css" and "public/images" directories, respectively. All files required to be uploaded and a link to the "Task5.1C" directory must be submitted by using the task submission page to OnTrack. You could also submit your GitHub link. Please make sure that I have access to the folder. This is an **individual** assignment, and you should submit **by 8pm AEST, Friday, 28 August 2020, (Week 7).**

### Objectives

- To combine what you have learnt in the first four weeks into a real-world web application.
- To provide you with a reference web application for your future projects.

### Specifications

After registration, a requester or crowd worker needs to log into their iCrowdTask Account. The Login page allows a requester or crowd worker to login to their existing account or redirect to the sign-up page (*/reqsignup.html*) to create a new account that you have developed in Task 4.1P. There is an HTML template from bootsnipp which is available on OnTrack as a starting point for this task (see Figure 1). You could also use your own nice login page. Feel free to use the Internet for inspiration.



iCrowdTask Login

Sign in

Your email

Your password

******

□ Save password

Figure 1. iCrowdTask Login Page

- As specified in Task 4.1P, the application maintains a MongoDB database to record all information of requesters, tasks and crowd workers (*iCrowdTaskDB*). In this task, all passwords need to be hashed before storing in the *iCrowdTaskDB* database. You could use bcrypt npm library to hash passwords. According to Wikipedia, "***bcrypt*** *is a password-hashing function designed by Niels Provos and David Mazières, based on the Blowfish cipher*".
- A requester needs to provide their email and password to get into the application. The inputted email and password are checked against the *iCrowdTaskDB.* If the requester's login information exists in the database, it redirects the requester to the tasks' page *(/reqtask.html*) which is an empty page for now; otherwise, login failure message will be displayed for invalid email or password.
- A login button or link should be placed on the requester registration page in Task 4.1P. Therefore, once a requester creates a new account, they could be re-directed to the *reqlogin.html* page. You could also design in a way that when a new requester registers successfully, they will be automatically re-directed to the *reqlogin.html* page.