



DEAKIN
UNIVERSITY

SIT313

iCrowdTask Web Application Crowd REST API

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SIT313 - Developing Client-Server Web Applications

Crowd REST API

Overview

This task intends to provide you with experience in [REST APIs](#). You are given the requirements of a Crowd's RESR API that allow users to address crowd workers' data entities.

You will find "[Topic Videos and Slides](#)" of [Week 6](#) 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 "Task 6.2P". All files required to be uploaded and a link to the "Task 6.2P" directory must be submitted by using the task submission page to OnTrack. Please do not upload node modules directory. 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, 11 Sep 2020, (Week 8)**.

Specifications

You need to design a REST API for iCrowdTask Application, called Crowd REST APIs. This API provides access to crowd workers' data entities as resources via URI. The crowd workers' data entities are also operated by HTTP methods like GET, POST, PUT, PATCH and DELETE. These resources will be returned as a representation encoded in JSON. The Crowd REST API offers the following features:

1. Retrieving, adding and removing workers [URI: **/workers**]
2. Retrieving, updating and removing a specific worker [URI: **/workers/:id**]
3. Updating a specific worker's address and mobile phone [URI: **/workers/:id**]
4. Updating a specific worker's password [URI: **/workers/:id**]

To use a Crowd REST API, the iCrowdTask application will make an HTTP request and parse the response.