

# CITB 608 End Assignment

## Personal TODO application

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## **1. Description**

The application will function as a personal TODO app. Users can register, login and create tasks for themselves. Once created, users can also mark tasks as complete. The technologies used should be: Ruby on Rails, Bootstrap, SQLite, Rubocop, RSpec

## 2. Required Features

- Registration

Please implement a registration feature, where users can enter their email and password and create a new account. If the email is already taken an error should be shown to the user, if password is too short an error should be shown to the user. Passwords should be stored in an encrypted form.

- Login

Please implement a login feature, where users enter their email and password from the registration form and login to the application. If the email and password combination is wrong display an error to the user. If the email and password are correct redirect the user to the list with his tasks (Tasks Overview).

- Tasks Overview

Please implement a protected page (accessible only if the user has logged in), where all the open tasks of the user are shown. This is the page where the user will also be able to complete todo items (tasks) and create new ones.

- Create Task Feature

On the tasks overview page, please implement a feature which will allow the users to create tasks on their own.

- Complete Task Feature

On the task overview page, where all tasks are listed, please add an option to complete a task. Once the task is completed it should not be shown in the list anymore.

### 3. Requirements

- **Implement all the required features**
- **The listed technologies are required for the project (Ruby on Rails, Bootstrap, SQLite, Rubocop, Rspec)**
- **Implementation of the main features of the project with other technologies is not allowed (PHP, .NET, Python, Javascript, etc.)**
- The task overview page, create task feature and complete task feature should be **accessible only to logged in users**
- Tasks should be owned by the user and only the user's tasks should be shown after login, i.e each user has his own tasks and only he can see them
- Create a git repo for this project and commit all code there
- **Write tests (spec) which cover 70% of the functionality**
- Add rubocop to the project
- Check the code style and formatting with rubocop, there should be no reported errors