

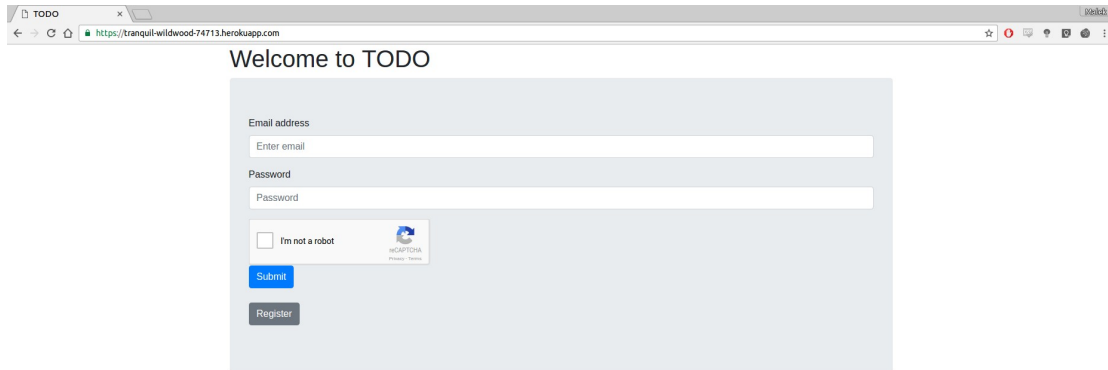
**Cloud Computing SOFE4630U**  
**Assignment 1 – Application Utilizing Heroku**

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## App Details

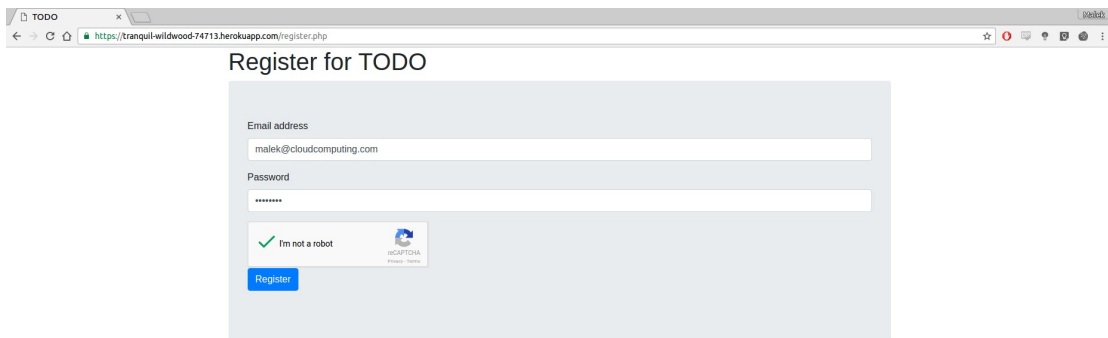
For my assignment, I made a simple online ToDo list. Users can sign up, login, add tasks and remove them. Users can add this website as their browser homepage, so whenever they open a new browser window, they will see their to do list.

Link: <https://tranquil-wildwood-74713.herokuapp.com/>



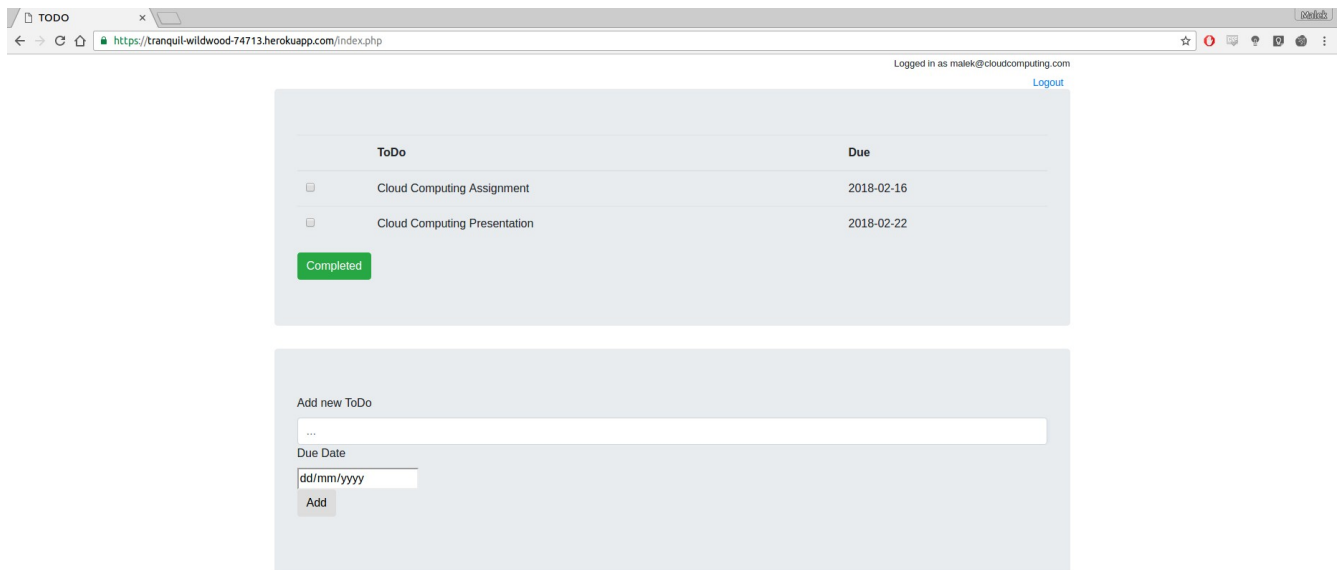
The screenshot shows a web browser window with the address bar displaying `https://tranquil-wildwood-74713.herokuapp.com`. The page title is "Welcome to TODO". The main content area is a light blue box containing a login form. The form has two input fields: "Email address" with a placeholder "Enter email" and "Password" with a placeholder "Password". Below these fields is a checkbox labeled "I'm not a robot" next to a reCAPTCHA logo. At the bottom of the form are two buttons: a blue "Submit" button and a grey "Register" button.

*Picture 1: ToDo Homepage*



The screenshot shows a web browser window with the address bar displaying `https://tranquil-wildwood-74713.herokuapp.com/register.php`. The page title is "Register for TODO". The main content area is a light blue box containing a registration form. The form has two input fields: "Email address" with the value "malek@cloudcomputing.com" and "Password" with a placeholder "\*\*\*\*\*". Below these fields is a checkbox labeled "I'm not a robot" with a green checkmark icon next to it, and a reCAPTCHA logo. At the bottom of the form is a blue "Register" button.

*Picture 2: Register Page*



Picture 3: ToDo Dashboard

## Architecture

Architecture overview:

- Backend: PHP and MySQL
- Storage: Heroku ClearDB (cloud SQL storage)
- Frontend: HTML and Bootstrap CSS Package

## Novel Features

My application provides users quick and simple access to an online todo list which they can access on any device, due to the implementation with Bootstrap.

## Challenges/Solutions

It was my first time developing and application for deployment on Heroku, so there was a slight learning curve to begin with. However, having worked with other cloud hosting services, such as Google App Engine, I quickly understood the file structure for Heroku and how applications are deployed.

