

Mid-Assignment

Basic User Cases:

- User account to display personal to-do items
 - User authentication
 - Edit user account
 - Forgot password (email password reset)
 - Guest user (able to access all functionalities, cached data removed once another user is signed in)
- To-do list
 - Consists of description, stipulated deadline, tag lists, cross off button and delete button
 - Sorted by description or deadlines
 - Search by description or tags (partial search supported, not available for multiple tags)
 - Option to choose to display overdue items or not
 - Option to delete marked items and delete all items

Execution plan:

Setup todo app with Postgres database

Add MVCs: users (using devise gem), lists (with act-as-taggable-on gem)

Add controllers: home (for delete options and info page)

Set root to list index page, add routes to home

Sorting and search using ransack gem

Mailer using SendGrid server

Styling using bootstrap

Deploy to Heroku

Future work:

Admin role

Subtask

Reminder

Problems faced:

Installation issues: firewall limits download speed, a few dependencies for Ruby on Rails are not properly installed, solved after changed to another VPN.

Database issues: when switching from SQLite to Postgres, connection failed. Solved after delete postmaster.pid in system files.

Mailer connection issues: smtp error 450 occurred, mails are rejected by the recipient, solved after using SendGrid server.