Albert Padanilam

GitHub Link: <https://github.com/abpadan/assignment3> (groyce invited as collaborator)

Python anywhere: <http://abpadan.pythonanywhere.com>

Other users are defined here:

Username: bob  
Password: Password1@

Username: albert  
Password: Password1@

Username: jim  
Password: Password1@

**Description:**

The Tool Management System (TMS) application is used to track home improvement tools among friends and family. Often when doing home renovations, it is useful to share tools. However, there isn’t a good way to track which tools are available and have a systematic way to contact the owner of a tool to request it. This application will aim to solve that problem.

**Application functionality:**

Admins of the system are to create users. Since the application isn’t designed to allow for users (no sign up from the web) it must go through an approval process from an admin. Users can request the tool only if it is marked available and not requested. An email is sent to owner of the tool if the request is submitted. Additionally, an email is sent to the requestor stating that the tool has been requested to the owner. Tools are tracked by an Id. The id is the unique identifier across all tools. Users who sign in can see other users’ tools. However, they can only edit or delete their own tools. An alert is on the UI of the application to notify the tool owner of the item being requested. This alert is dismissible when the tool is marked as unavailable (at which point the tool would be given to the requestor physically). Admins are not allowed to request tools but rather edit and delete tools across any user.

**Data model changes:**

The data model added a requested flag (true or false) on the tools table. Other than that, the model did not change.

**Screenshots:**

Tool listing: (The purpose of this screen is to view tools.)

**Graphical user interface, application, Teams

Description automatically generated**

User listing: (The purpose of this screen is to allow requestors to contact tool owners individually if he or she desires.)

**Graphical user interface, text, application, email

Description automatically generated**

Home page: (The purpose of this screen is to have a page to navigate to when a user signs in.)

Graphical user interface, application

Description automatically generated

Request link based on user logged in, available being ‘Yes’ and requested being ‘False’: (The purpose of this screen is to showcase the different link options available when signed in. In this case, requesting a tool is essential.)

Graphical user interface, application, Teams

Description automatically generated

Edit/Delete item for the tool owner (being the user logged in): (The purpose of this screen is to showcase the different link options available when signed in. In this case, edit/delete is essential.)

Graphical user interface, application, Teams

Description automatically generated

Email sent to user requesting tool and owner of tool: (This screenshot showcases that an email is sent to the user/requestor to indiciate that a user is requesting an item.)

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Alert when logged in indicating that a user is requesting a tool: (The purpose of this screenshot is showcase the alert presented after a tool is requested.)

A picture containing Word

Description automatically generated

Tool owner marking tool as unavailable by editing the tool. This occurs after receiving an email from the system and seeing the above alert (changing available to ‘No’ and deselecting requested): (The purpose of this screenshot is to show what is necessary to do dismiss the alert).

Graphical user interface, application

Description automatically generated