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

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

**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.

**Screenshots:**

Tool listing:

**Graphical user interface, application, Teams

Description automatically generated**

User listing (designed to allow requestors to contact tool owners):

**Graphical user interface, text, application, email

Description automatically generated**

Home page:

Graphical user interface, application

Description automatically generated

Request link based on user logged in, available being ‘Yes’ and requested being ‘False’

Graphical user interface, application, Teams

Description automatically generated

Edit/Delete item for the tool owner (being the user logged in):

Graphical user interface, application, Teams

Description automatically generated

Email sent to user requesting tool and owner of tool:

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:

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):

Graphical user interface, application

Description automatically generated