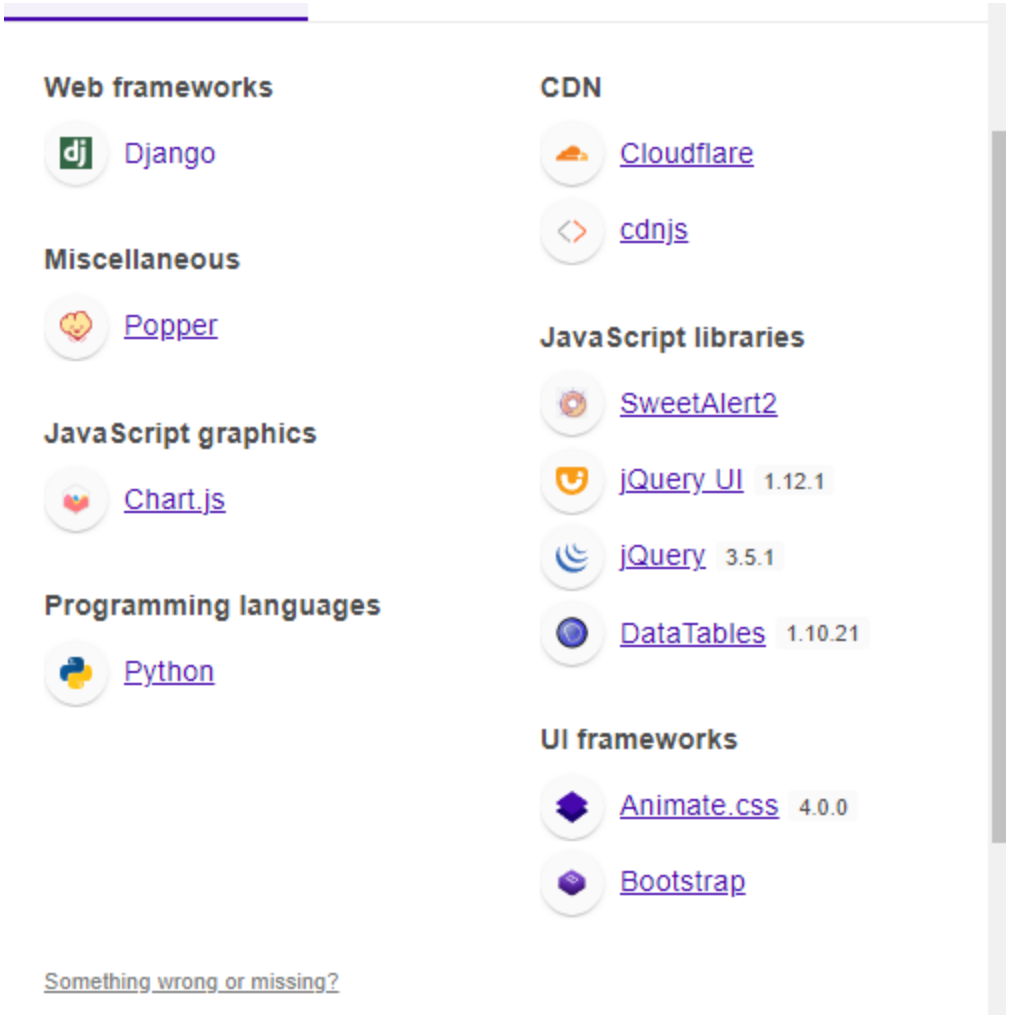
System Documentation

Intellectual Property Asset Management System

- is a tool for managing and organizing intellectual properties which are an essential part to the institution.

Frameworks and tools

- Framework: Django >= 3.0.7 Language: Python 3.8.7^
- Database: Mysql/Sqlite3(Default)
- Deployment History:
  - Heroku, GCP (March 16)
  - LAN Server (September 16)
- Deployment Status: Suspended in Production. Refer to local deployment.



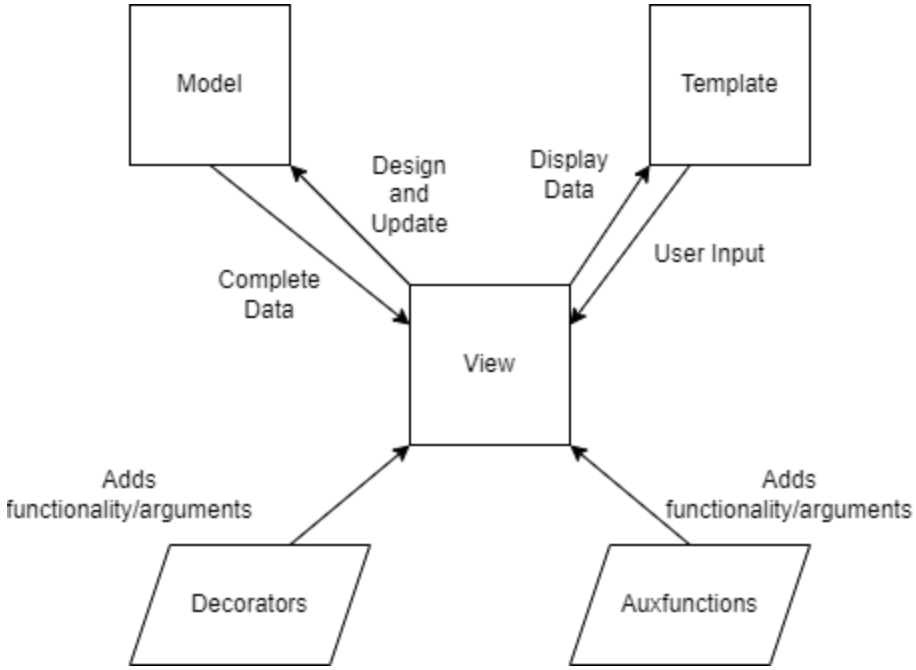
Dependencies

- After cloning, and creating a branch for IPAMS, refer to requirements.txt.

Source Code

- https://github.com/jurydelrama/ipamsojt
  - Clone this repository via Github Desktop or CLI (follow instructions on the github upon cloning).
  - After cloning, create a branch. Format: git branch -c lastname-branch.
  - Execute the command, git checkout lastname-branch to be redirected to the created branch
  - Execute the command, git push origin HEAD to save your branch to the github repository.
  - For requirements.txt installation, and database connection, refer to the link above.

Design and Architecture

- MVT Architecture
- 

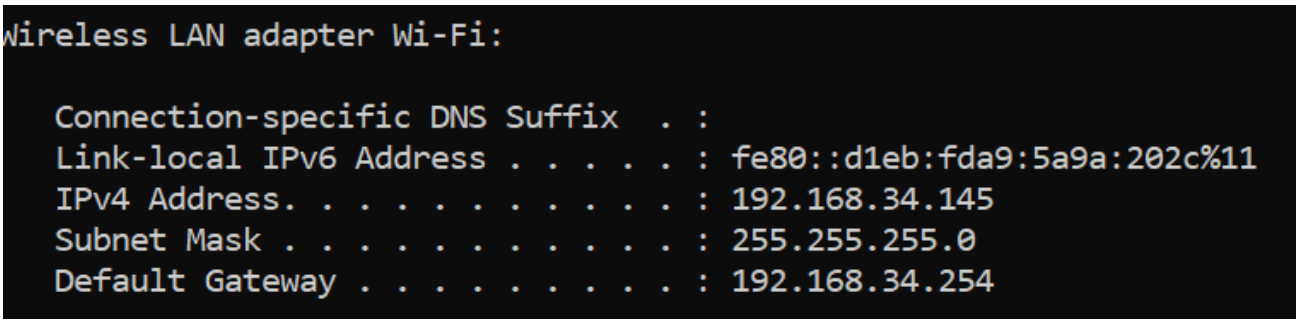
  - Django MVT Structure (Model-View-Template)The image above shows the MVT Structure. In the client side, the client can access templates through IPAMS' user inputs to be received in the views to apply its functionalities, but auxfunctions, and decorators will also be applied within the views for additional functionality to update the data within the model.
  - In the server side, the model will send data to the views (auxfunctions, and decorators may apply if functions within the views refers to auxfunctions and decorators) where the views will apply functionalities to be displayed towards the template or client.

Testing

- This section contains the test plan with reported issues for IPAMS. There are three sheets for the test plan which is the Overview, User Manual Test Plan, and the Test Cases.

Deployment

- Local: (Testing Instance)
  - run ipams thru python manage.py runserver 0.0.0.0:8000
  - go to cmd, and execute ipconfig command
  - Copy the link in the ipv4 address section. Refer to the image below. (This is just an example. Your ipv4 address must be copied.)



  - NOTE: all devices must be connected to the same internet connection from the host server.
  - Happy testing.

- Production Deployment: (Coming Soon)