**Synopsis**

**Title :** ISS Tracker

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**Objective :** An ISS-themed webapp that collects, organises and presents various information about the ISS ranging from it’s introduction, location, astronauts and more.

**Description :** A space themed webapp that uses Python’s Flask framework in the backend and HTML, CSS and JavaScript on the client side to bring to the users an out of the world experience, literally. The application provides information about his ISS, it’s live current location, live updates about astronauts living on the ISS. This information is gathered from an open-source webservice open-notify.org though APIs. Furthermore, the same is hosted on a PaaS cloud platform.

**https://mobirise.com/**

**Techonlogies Used:**

**Front-End :** HTML, CSS, JavaScript

**Back-End :** Python, Flask Framework, SQLite

**APIs :** open-notify.org, mapbox

**MINOR PROJECT LAB :**

Done:

* About Page
* Base.html
* Nav Bar
* Home Page
* Flask App
* App routes
* Error Logging
* Cloud Hosting (Need to update)
* Python Fucntions to connect to open-notify
* API connection
* Map Box
* GitHub https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control

To Do:

* Database connectivity - Connected
* Astrounauts list – Link to wiki
* Astrounauts only of the ISS
* Info page
* ER diagram and DFD
* Try Wikipedia
* Comments/ Documentation

Hardware and Software Requirements

Recommended Operating Systems

Windows: 7 or newer

MAC: OS X v10.7 or higher

Linux: Ubuntu

Hardware Requirements

Processor: Minimum 1 GHz; Recommended 2GHz or more

Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)

Hard Drive: Minimum 32 GB; Recommended 64 GB or more

Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

Recommended Software

Supported Browsers

However, we recommend downloading Firefox and/or Chrome in addition to having or Safari.

Firefox

Chrome