

**Group 17**  
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Interface

We have used the Python Flask module to generate html pages to generate content based on our database queries.

Application Logic

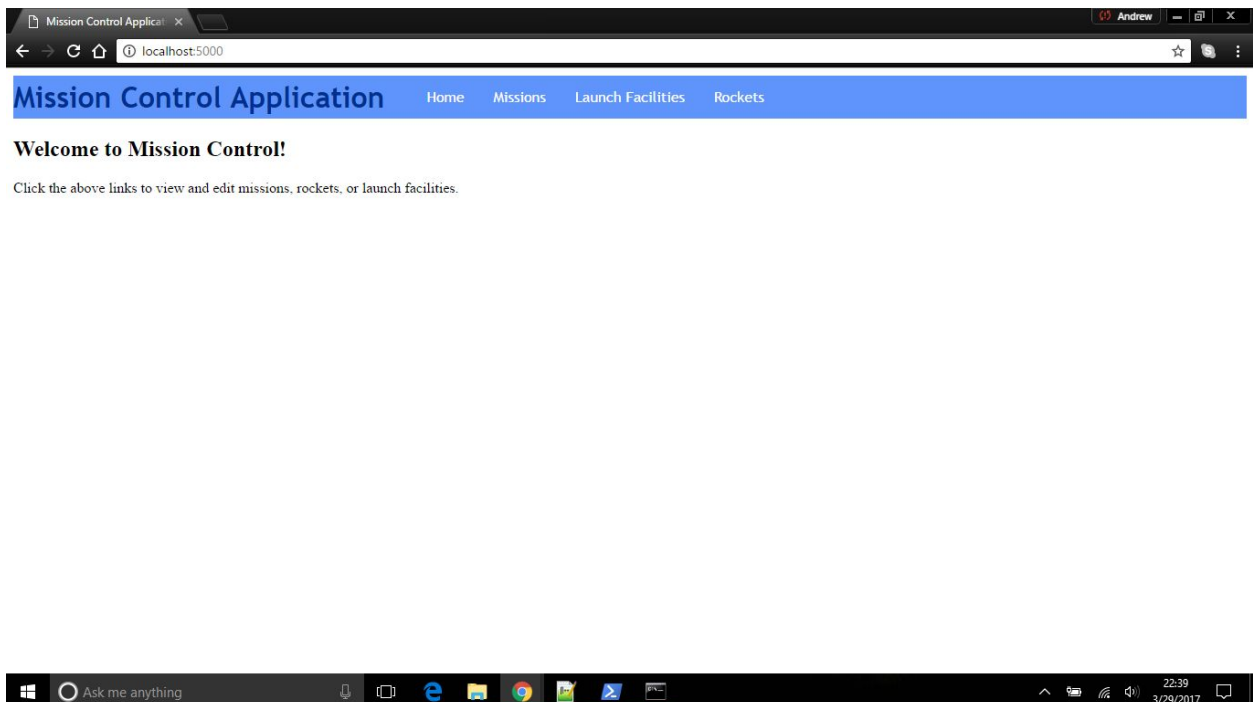
Our application logic is minimal at this point, so far just dynamically generating html tables populated with the data in our databases. As we add complexity to the system, we will use Python functions to mimic stored procedures, using logic to process results of our SQL queries.

Database

We have the initial version of our database tables implemented and running in SQLite. The data from those tables are queried and displayed, using Python to convert the results to html tables on each of the missions, rockets, and facilities pages. We plan to add some more complexity to our database in order to meet the requirements of the project. For example, we will be adding more attributes and possibly another table.

Sample Code/Screenshots

We have submitted our code so far in Canvas. Here are screenshots to demo our system so far:



Missions

localhost:5000/missions

Mission Control Application

HomeMissionsLaunch FacilitiesRockets

Missions

Mission ID	Rocket ID	Facility ID	Time of Launch
1	5	4	today
2	2	3	tomorrow

Launch Facilities

localhost:5000/launch\_facilities

Mission Control Application

HomeMissionsLaunch FacilitiesRockets

Launch Facilities

Facility ID	Location
1	Vandenberg AFB

Ask me anything

Chrome

File Explorer

Task View

PowerShell

Visual Studio Code

Terminal

Edge

Outlook

Calendar

Photos

Music

Maps

Weather

News

Finance

Health

Education

Travel

Sports

Entertainment

Shopping

Food

Home

Work

Study

Life

Fun

Other

22:40  
3/29/2017



# Mission Control Application

Home Missions Launch Facilities Rockets

Rockets				
Rocket ID	Thrust	Vendor	Fuel Tank Size	Fuel Burn Rate
1	50	SpaceX	400	30

