Milestone #01 - Progress Evaluation

FIT Schedule Planner
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Task	Completion %	Pedro	Jordan	Todo
1. Compare and select technical tools	100%	50%	50%	none
2. "hello world" demos	100%	50%	50%	none
3. Resolve technical challenges	100%	40%	60%	Ask registrar for a possible dummy db
4. Compare and select collaboration tools	100%	50%	50%	none
5. Requirement Document	100%	25%	75%	none
6. Design Document	80%	75%	25%	User interface
7. Test Plan	80%	50%	50%	Add more tests for pending user interface design

- Discussion of each accomplished task (and obstacles) for the current Milestone:
  - Task 1: Because our team is not familiar working with web apps, the initial plan was to use python and python libraries to build the web application. However, we decided to change to the MERN(MongoDB, Express, React, Node.js) framework because there is a lot more content online that could help us in the long run.

  - Task 2: At the beginning we splitted the team in two, where one focused on the presentation layer (creating the repository, making the website, hosting…), and the other on the application layer (scraping, formatting, cleaning and connecting the data). Demo video: https://youtu.be/fSMSqqfhaT4?si=qzkoUTTUnpqPqn0N

■ Scraping Classes (Fall 2024):

■ Scraping/Looking valid catalogs:

■ Scraping requirements from catalogs:

■ Implemented Login & Register and hosted it:

REACT APP
(LOGIN & REGISTER PAGE)
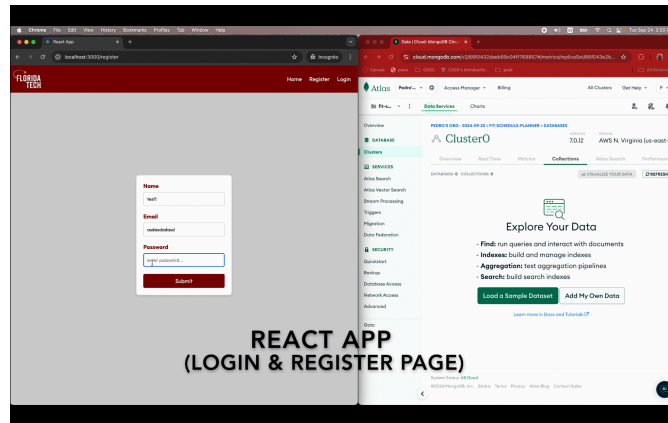
■ Implemented Search class:
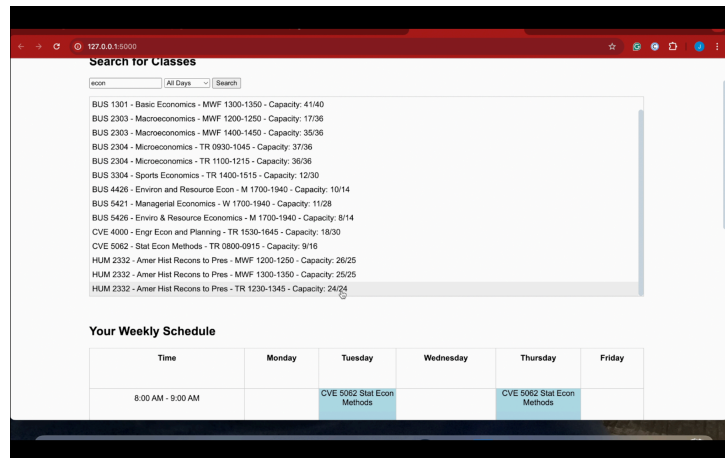
■ Added Schedule visualization:
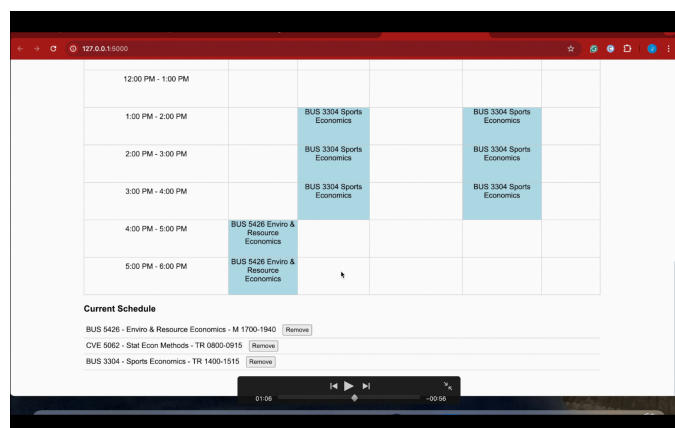
○ Task 3: Our main technical challenges were developing a website and getting the data. For the website creation we followed some tutorials online and for getting the data we are currently scraping the data from FIT websites.

- ○ Task 4: Agreed to use MERN stack as framework, Python to scrape data (with Beautifulsoup), Git & GitHub to manage our code, discord for communication and google tools (i.e Docs, Sheets…) for writing documentations.

  - ○ Task 5: We had to break down our project into smaller pieces so we could write the requirements for each feature, making sure to clearly state how each function is supposed to behave.
  - ○ Task 6: Without much knowledge about web application development, it was difficult to think about the design. Following the IEEE template somewhat guided us in the sense of what we should have both in our project and documentation, but we had to look through a lot of examples of diagrams to make ours. We still have to come up with some UI for our project.
 - ○ Task 7: We based our tests on both our requirements and design documents. So, the requirements tell us how a feature should behave, so we just added tests to make sure that each feature behaves correctly. We are still missing some tests related to User Interface because we haven't decided 100% how the website will look like.

- ● Discussion of contribution of each team member to the current Milestone:
  - ○ Pedro Moura: Compared and selected technical tools for generating an interface, created the React app, made a home page, implemented login & register pages which store users info in mongodb, used to hashed users passwords for security purposes, and worked on design, requirement and test documentation.

  - ○ Jordan Synodis: Scraped information off the FIT schedules & programs websites, formatted and converted data to json, wrote a javascript script to create a schedule planner using flask (which will be integrated into the React app later on), and worked on requirement, test and design documentation.

- ● Plan for the next Milestone (task matrix):

Task	Pedro	Jordan
Implement, test, and demo traversing the interface	50%	50%
Implement, test, and demo loading classes	50%	50%
Implement, test, and demo loading the CAPP Degree Evaluation	50%	50%
Implement, test, and demo	50%	50%

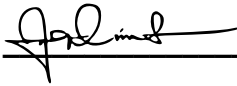| accessing the program checklist		
Design Document	75%	25%
Test Document	50%	50%

- Date(s) of meeting(s) with Client during the current milestone:
    - See Faculty Advisor Feedback below

- Client feedback on the current milestone:
    - See Faculty Advisor Feedback below
- Date(s) of meeting(s) with Faculty Advisor during the current milestone: …
    - Sep 25 [Tentative]
    - Sep 30

- Faculty Advisor feedback on each task for the current Milestone
    - Task 1: … students were asked to update the description to clarify the names of the tools used
    - Task 2: … In addition to the video, students were asked to provide screenshots of the hello-world demos.
    - Task 3: …
    - Task 4: …
    - Task 5: …
    - Task 6: …
    - Task 7: …

Faculty Advisor Signature: _____ Date: 9/30/2024

1. **Evaluation by Faculty Advisor**
   - Faculty Advisor: detach and return this page to Dr. Chan (HC 209) or email the scores to pkc@cs.fit.edu
   - Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Pedro Moura	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	(10)
Jordan Synodis	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	(10)

Faculty Advisor Signature: _____ **Date:** 9/30/2024