Milestone 1

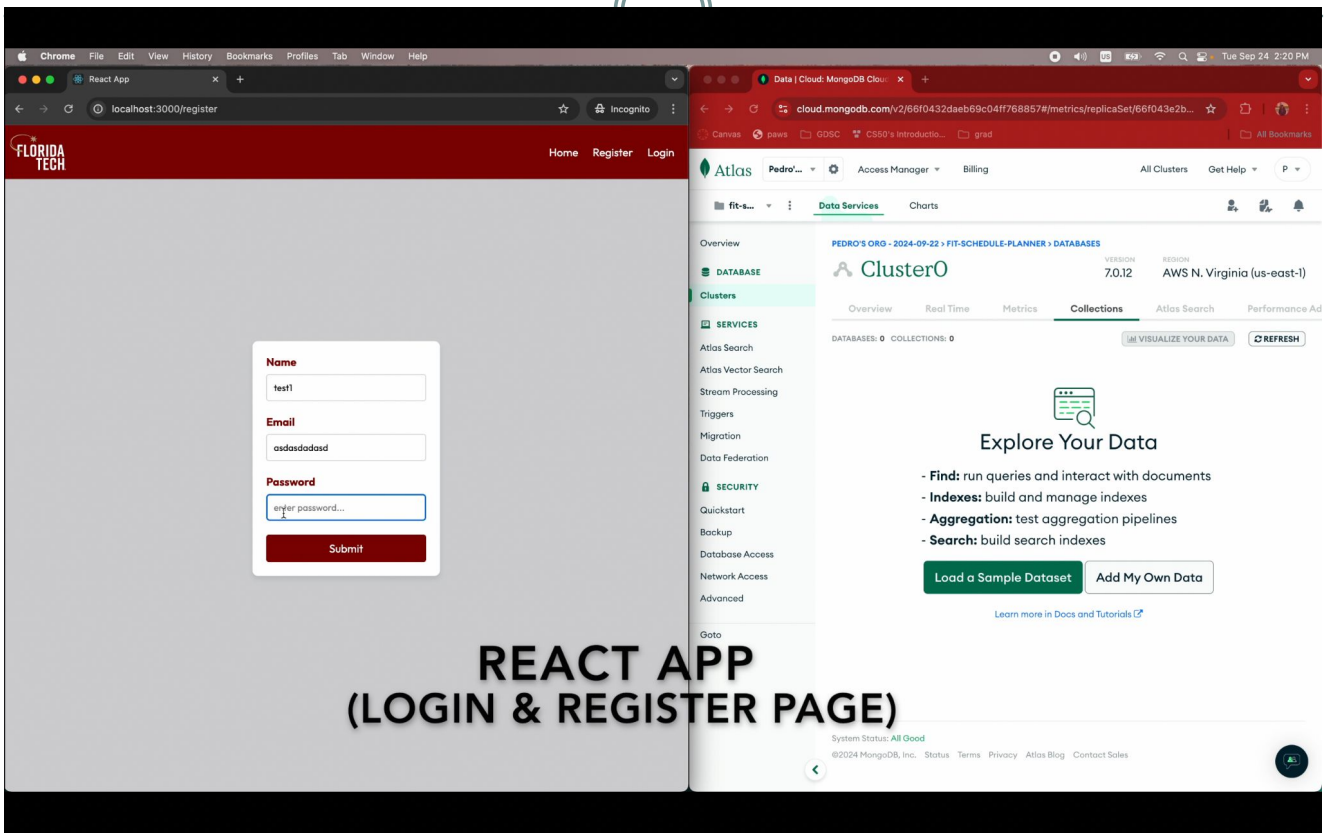
Pedro Moura, Jordan Synodis

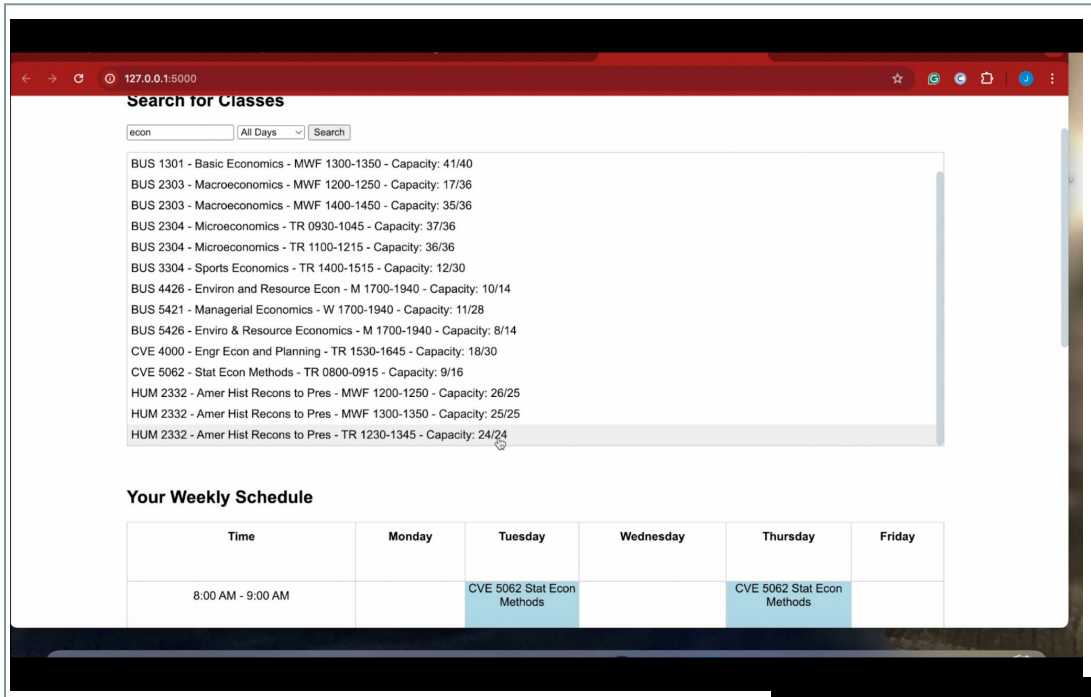
Matrix - Milestone 1

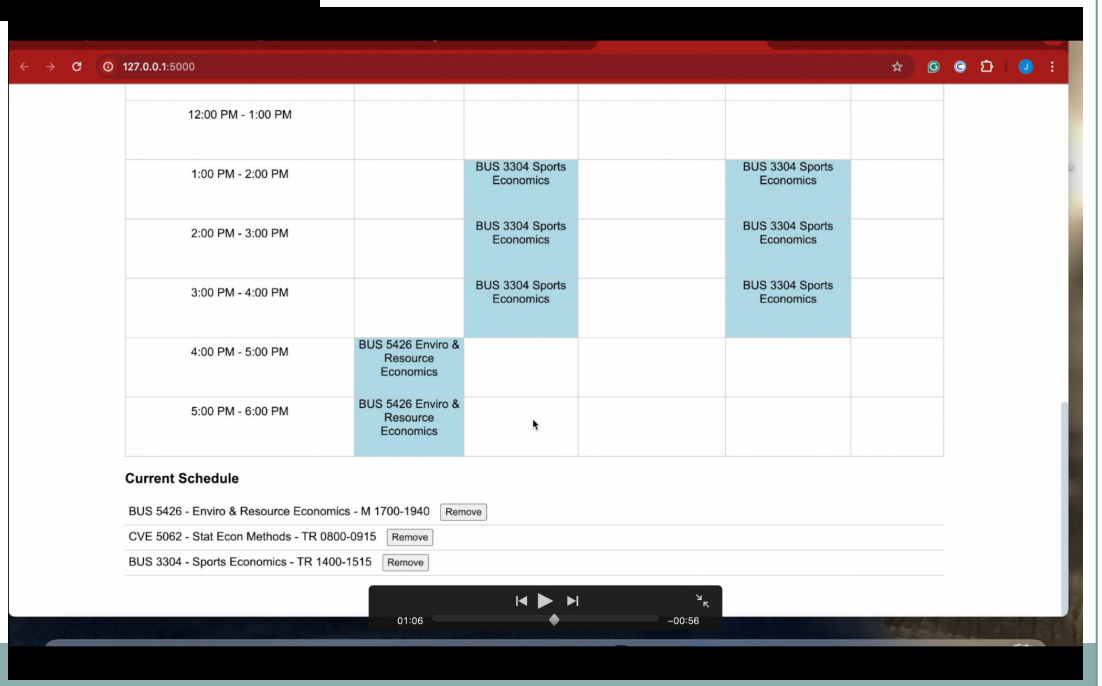
Task	Completion %	Pedro	Jordan	Todo
1. Compare and select technical tools	100%	50%	50%	none
2. “hello world” demos	100%	50%	50%	none
3. Resolve technical challenges	100%	40%	60%	Ask registrar for a possible dummy db
4. Compare and select collaboration tools	100%	50%	50%	none
5. Requirement Document	100%	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

Task 1: Compare and select technical tools

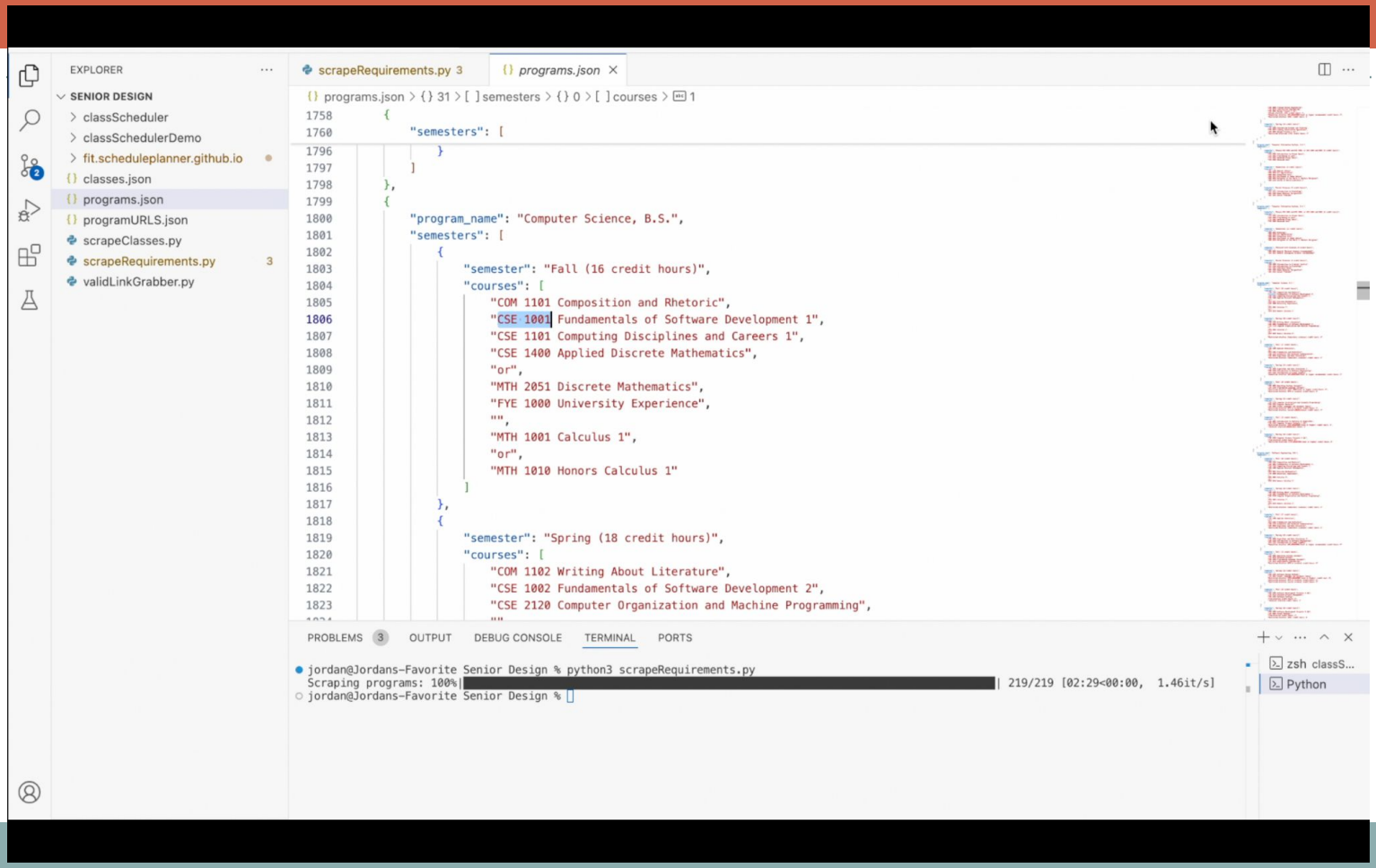
Task 2: “hello world” demos

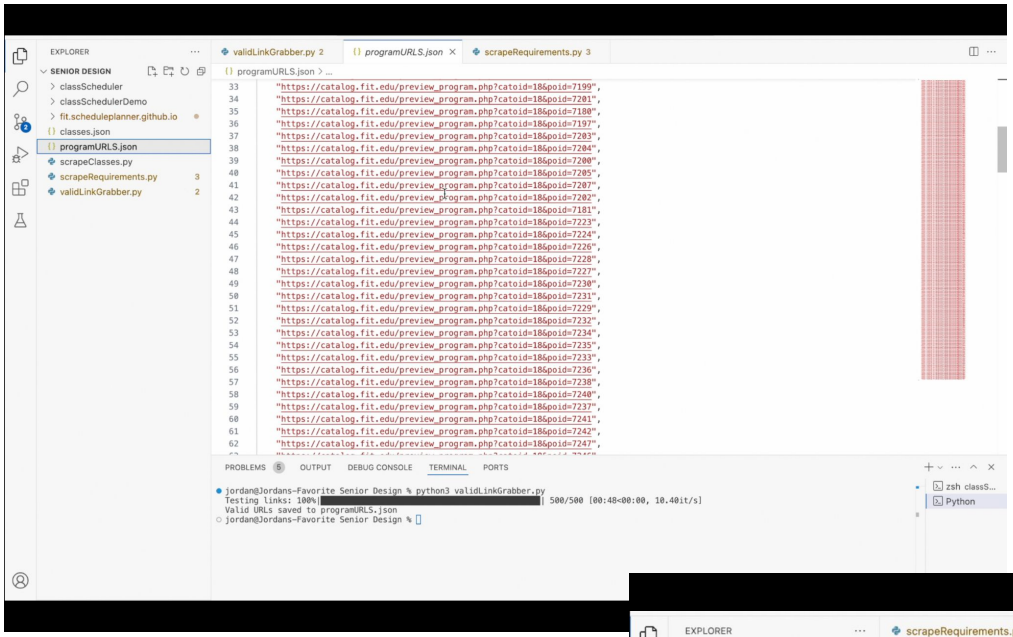



127.0.0.1:5000
Search for Classes
econ
All Days
Search
BUS 1301 - Basic Economics - MWF 1300-1350 - Capacity: 41/40
BUS 2303 - Macroeconomics - MWF 1200-1250 - Capacity: 17/36
BUS 2303 - Macroeconomics - MWF 1400-1450 - Capacity: 35/36
BUS 2304 - Microeconomics - TR 0930-1045 - Capacity: 37/36
BUS 2304 - Microeconomics - TR 1100-1215 - Capacity: 36/36
BUS 3304 - Sports Economics - TR 1400-1515 - Capacity: 12/30
BUS 4426 - Environ and Resource Econ - M 1700-1940 - Capacity: 10/14
BUS 5421 - Managerial Economics - W 1700-1940 - Capacity: 11/28
BUS 5426 - Enviro & Resource Economics - M 1700-1940 - Capacity: 8/14
CVE 4000 - Engr Econ and Planning - TR 1530-1645 - Capacity: 18/30
CVE 5062 - Stat Econ Methods - TR 0800-0915 - Capacity: 9/16
HUM 2332 - Amer Hist Recons to Pres - MWF 1200-1250 - Capacity: 26/25
HUM 2332 - Amer Hist Recons to Pres - MWF 1300-1350 - Capacity: 25/25
HUM 2332 - Amer Hist Recons to Pres - TR 1230-1345 - Capacity: 24/24
Your Weekly Schedule
Time
Monday
Tuesday
Wednesday
Thursday
Friday
8:00 AM - 9:00 AM
CVE 5062 Stat Econ Methods
CVE 5062 Stat Econ Methods


127.0.0.1:5000
12:00 PM - 1:00 PM
1:00 PM - 2:00 PM
BUS 3304 Sports Economics
BUS 3304 Sports Economics
2:00 PM - 3:00 PM
BUS 3304 Sports Economics
BUS 3304 Sports Economics
3:00 PM - 4:00 PM
BUS 3304 Sports Economics
BUS 3304 Sports Economics
4:00 PM - 5:00 PM
BUS 5426 Enviro & Resource Economics
5:00 PM - 6:00 PM
BUS 5426 Enviro & Resource Economics
Current Schedule
BUS 5426 - Enviro & Resource Economics - M 1700-1940 Remove
CVE 5062 - Stat Econ Methods - TR 0800-0915 Remove
BUS 3304 - Sports Economics - TR 1400-1515 Remove
01:06
-00:56

Task 3: Resolve technical challenges




EXPLORER
SENIOR DESIGN
classScheduler
classSchedulerDemo
fit.scheduleplanner.github.io
classes.json
programURLS.json
scrapeClasses.py
scrapeRequirements.py 3
validLinkGrabber.py 2
validLinkGrabber.py 2
programURLS.json
scrapeRequirements.py 3
programURLS.json > ...
"https://catalog.fit.edu/preview_program.php?catoid=18&poid=7199",
"https://catalog.fit.edu/preview_program.php?catoid=18&poid=7201",
"https://catalog.fit.edu/preview_program.php?catoid=18&poid=7180",
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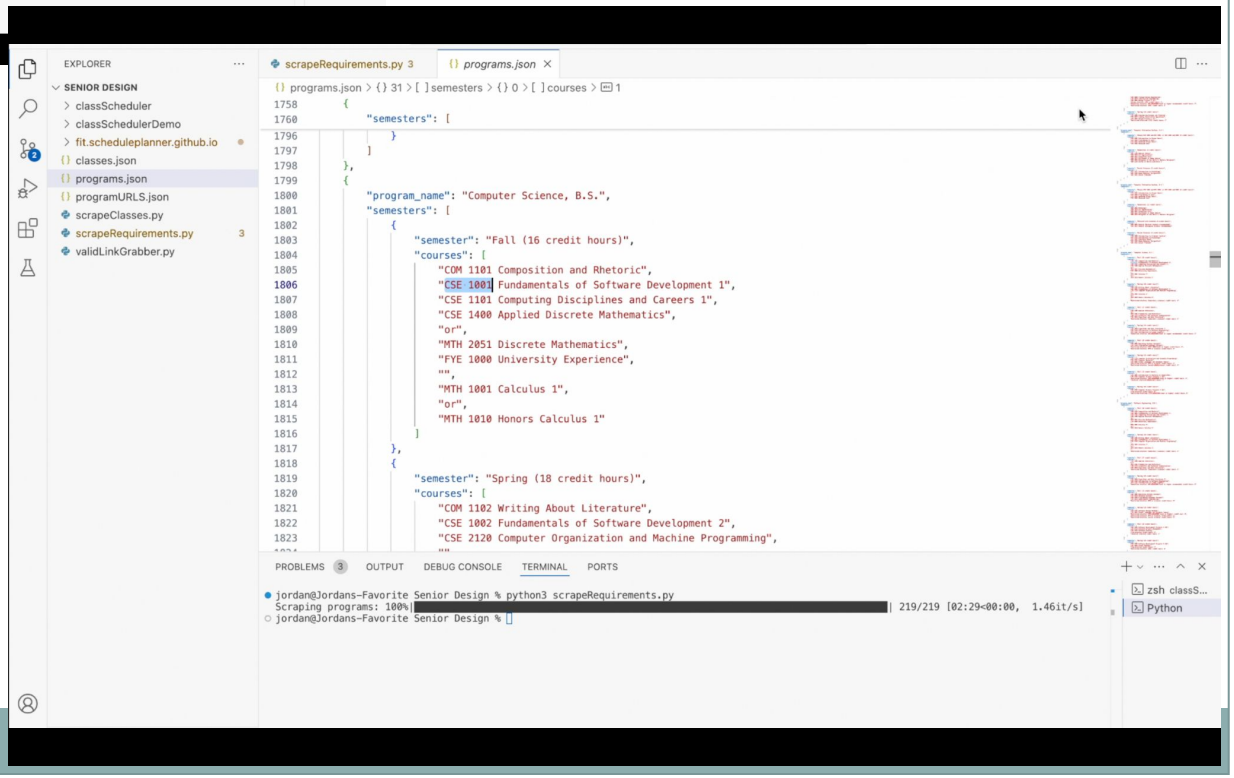
"https://catalog.fit.edu/preview_program.php?catoid=18&poid=7242",
"https://catalog.fit.edu/preview_program.php?catoid=18&poid=7247",
PROBLEMS 5
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
jordan@Jordans-Favorite Senior Design % python3 validLinkGrabber.py
Testing links: 100%| 500/500 [00:48<00:00, 10.40it/s]
Valid URLs saved to programURLS.json
jordan@Jordans-Favorite Senior Design %
zsh classS...
Python


EXPLORER
SENIOR DESIGN
classScheduler
classSchedulerDemo
fit.scheduleplanner.github.io
classes.json
programs.json
programURLS.json
scrapeClasses.py
scrapeRequirements.py 3
validLinkGrabber.py
scrapeRequirements.py 3
programs.json
programs.json > {} 31 > [ ] semesters > {} 0 > [ ] courses > 1
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}
]
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"COM 1101 Composition and Rhetoric",
"CSE 1001 Fundamentals of Software Development 1",
"CSE 1101 Computing Disciplines and Careers 1",
"CSE 1400 Applied Discrete Mathematics",
"or",
"MTH 2051 Discrete Mathematics",
"FYE 1000 University Experience",
"",
"MTH 1001 Calculus 1",
"or",
"MTH 1010 Honors Calculus 1"
]
},
{
"semester": "Spring (18 credit hours)",
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"COM 1102 Writing About Literature",
"CSE 1002 Fundamentals of Software Development 2",
"CSE 2120 Computer Organization and Machine Programming",
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
jordan@Jordans-Favorite Senior Design % python3 scrapeRequirements.py
Scraping programs: 100%| 219/219 [02:29<00:00, 1.46it/s]
jordan@Jordans-Favorite Senior Design %
zsh classS...
Python

Task 4: Compare and select collaboration tools

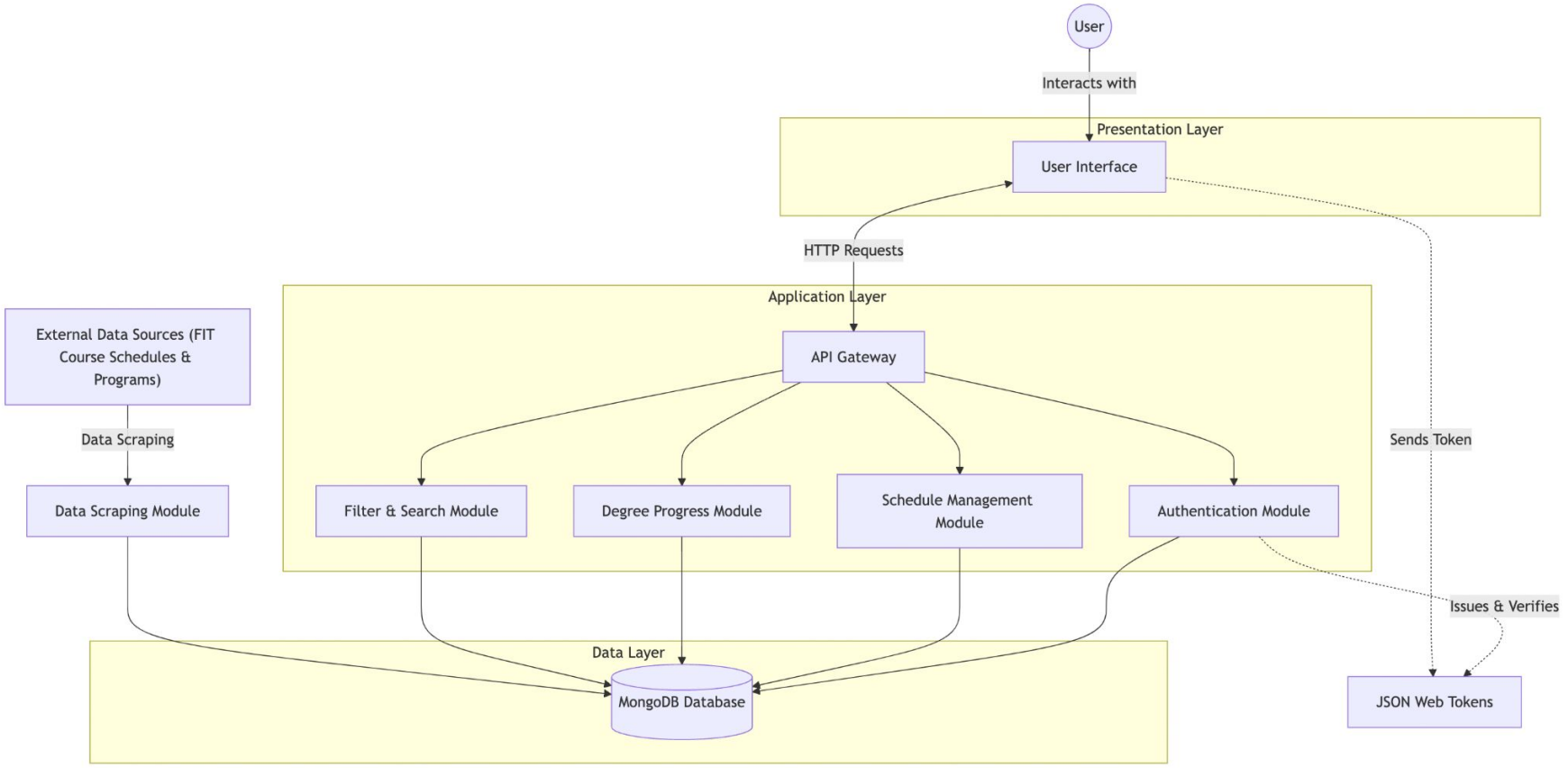
Task 5: Requirements Functional Requirements

- **Add/remove classes**
  View classes and manage time conflicts
- **Prerequisite checking**
  Checks if requirements have been met
- **Class filtering**
  Narrows down searches
- **Progress tracking**
  Depicts progress towards program

Non-Functional Requirements

- **Quick processing times**
- **User data should be stored with encrypted passwords**
- **User interface would be easy to navigate**
- **Contextual help should be provided throughout application**

Task 6: Design



Task 7: Test Plan

Test every possible combination of inputs. Some edge cases…

- **Adding the same class, but different time/section**
- **Applying filters that contradict each other**
- **Applying filters that generate no results**
- **Uploading a file that is not a CAPP Degree Evaluation**

Matrix - Milestone 2

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