

# Milestone One



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# 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**

# Assumptions/Dependencies



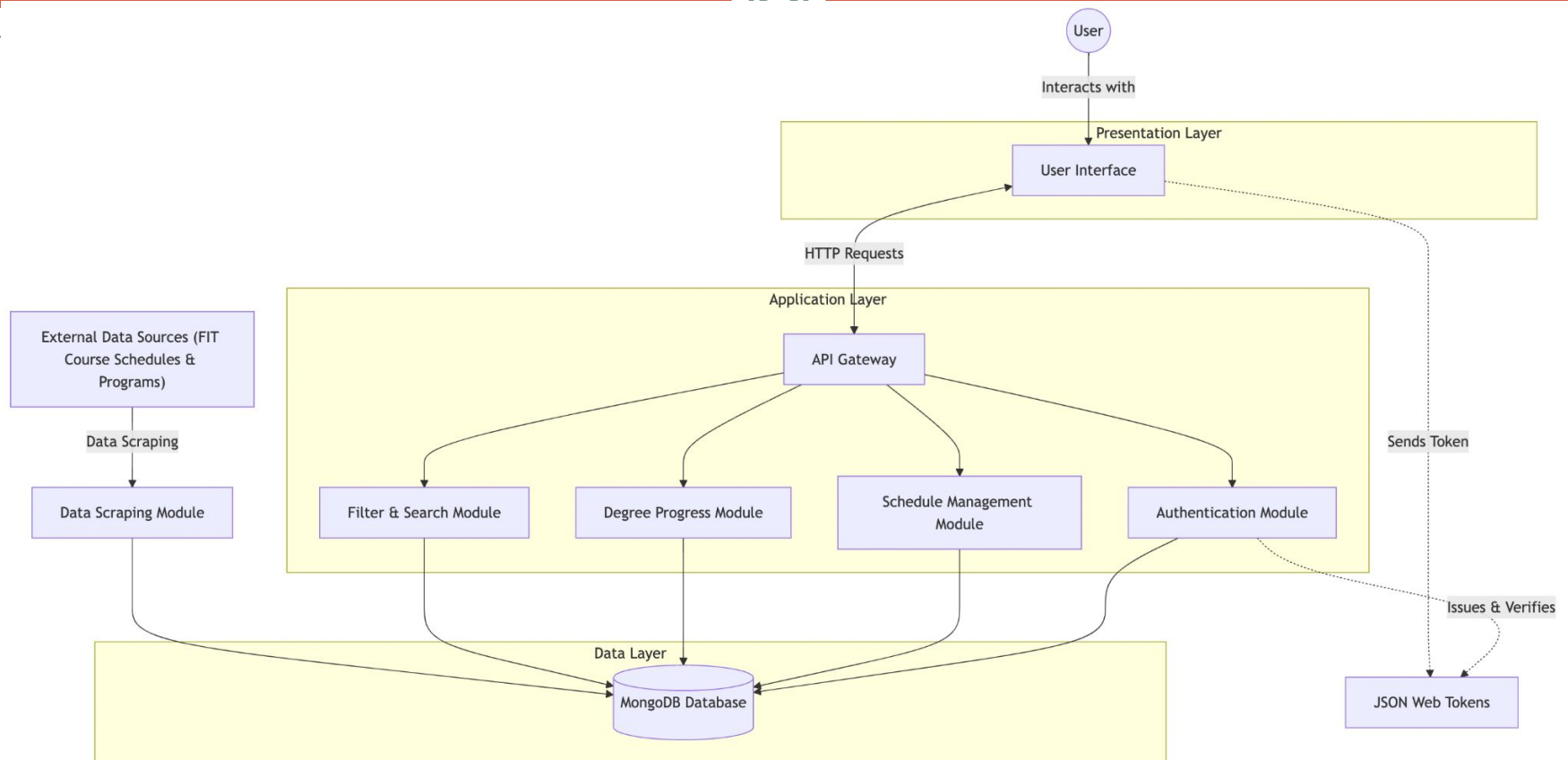
- **FIT Programs are up to date on their website**
- **FIT class times and availability are up to date on their website**
- **Ability to access/process CAPP Degree Evaluation**
- **RateMyProfessor scores are up to date on their website**

# System Overview



- **Viewing available classes and times**
- **Advanced search with multiple filters**
- **Schedule visualization with conflict detection**
- **Prerequisite and availability checking**
- **Degree progress tracking through uploaded CAPP Degree Evaluations**
- **Integration with RateMyProfessor for instructor ratings**

# System Architecture



# Test Plan



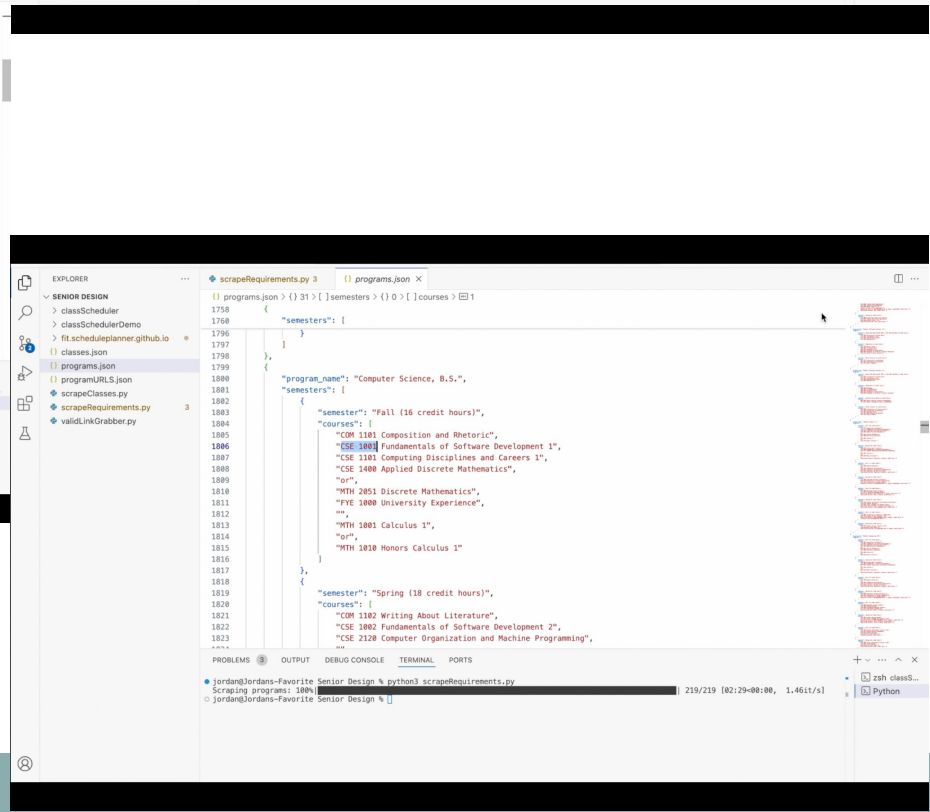
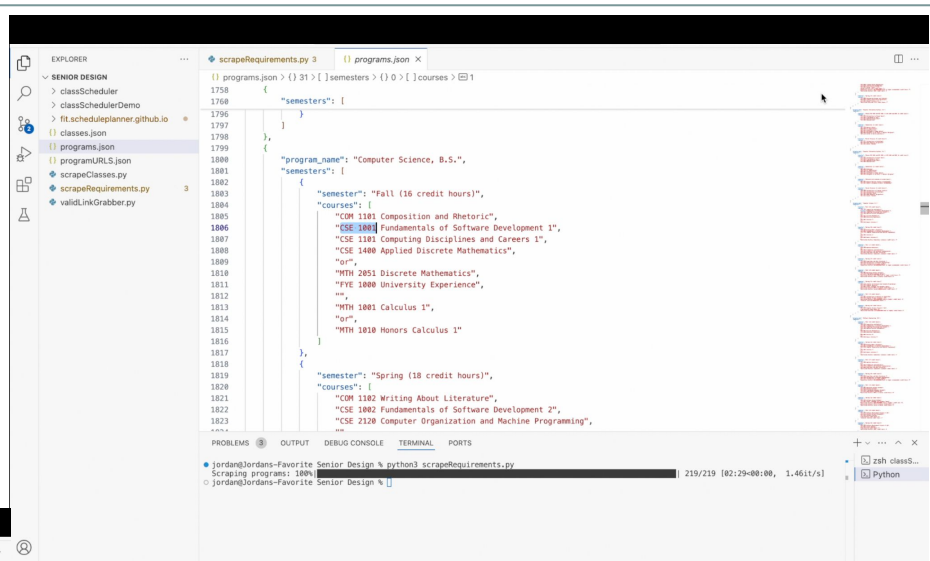
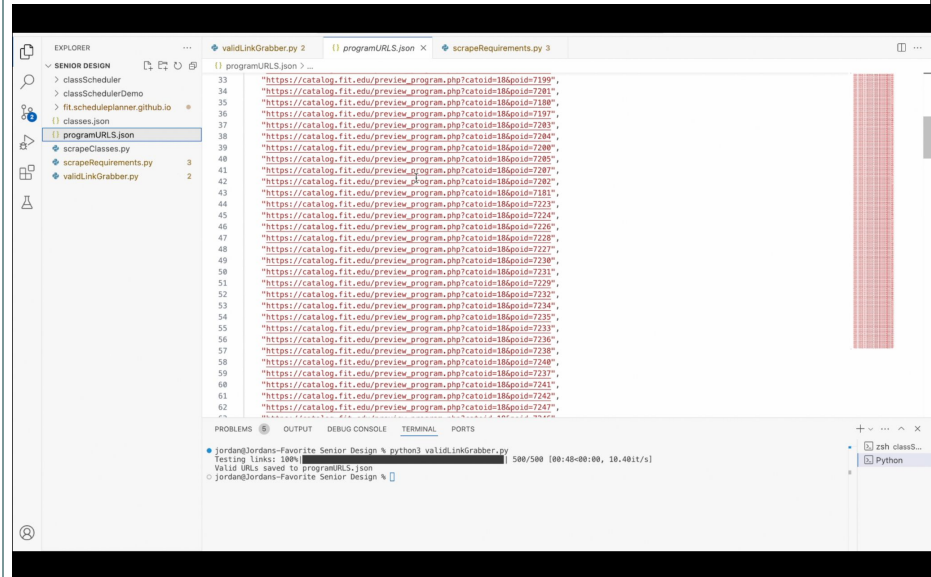
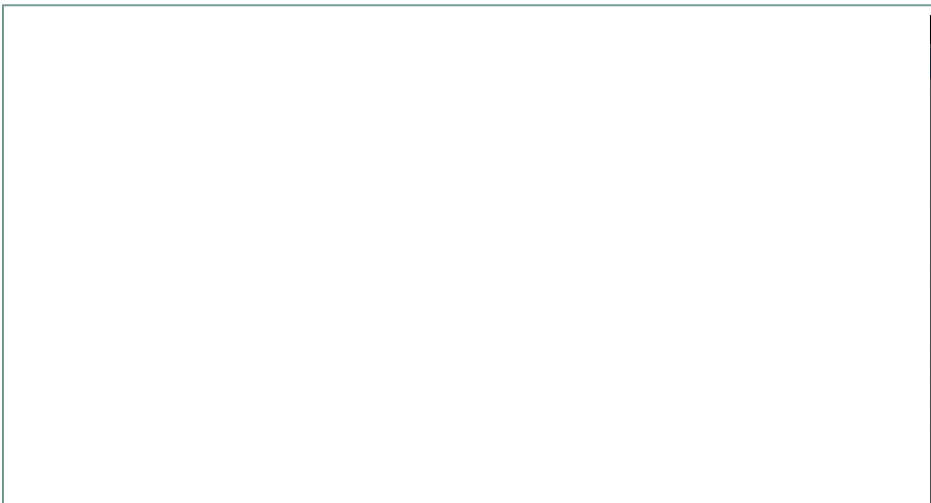
**Test every possible combination of inputs. Some edge cases...**

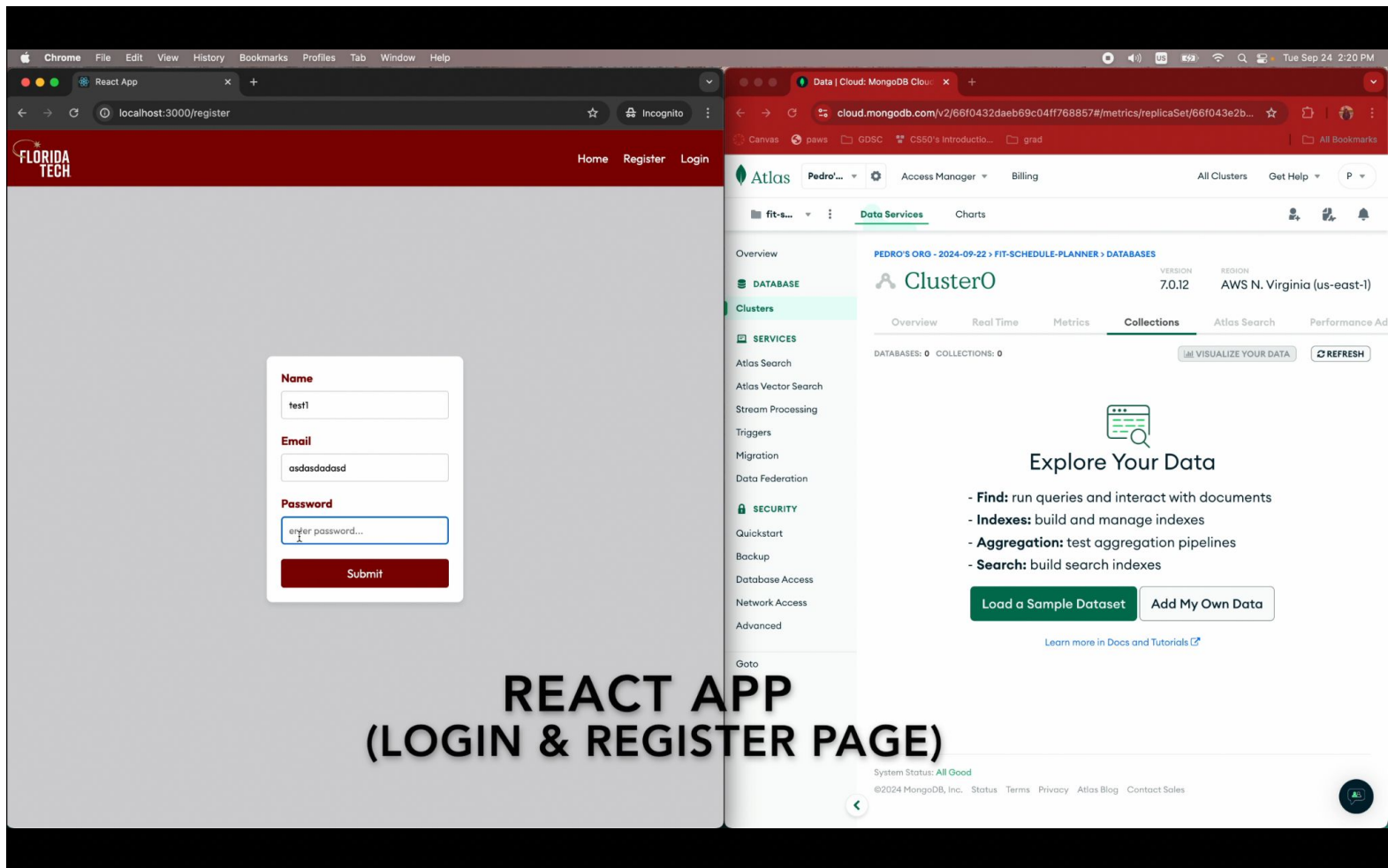
- **Adding the same class, but different time/section**
- **Applying filters that contradict each other**
- **Applying filters that generate no results**
- **Uploading a file that is not a CAPP Degree Evaluation**

# Progress









## REACT APP (LOGIN & REGISTER PAGE)

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	

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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