

Milestone 1



Pedro Moura, Jordan Synodis

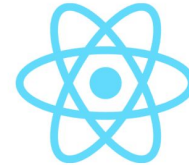
Task 1: Compare and select technical tools



M



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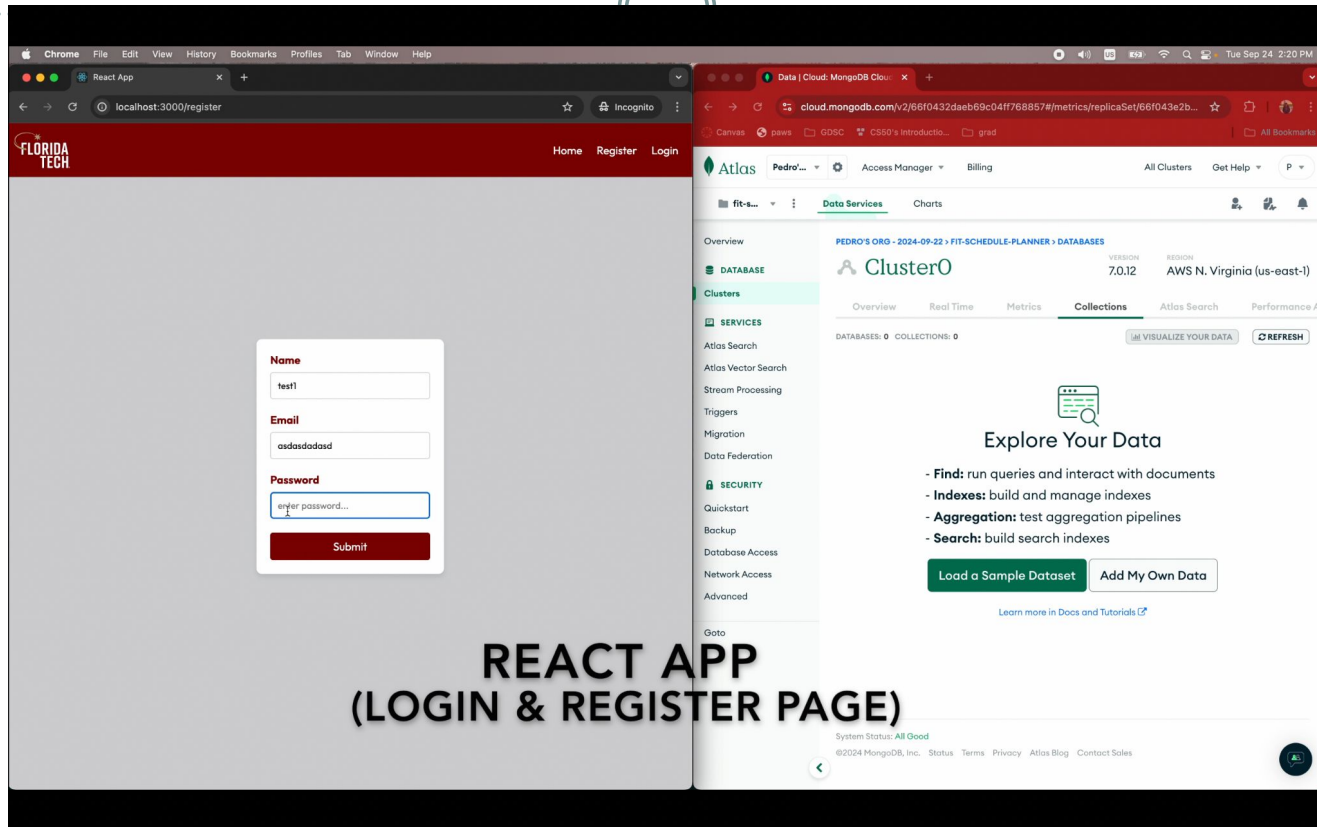


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Task 2: “hello world” demos



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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

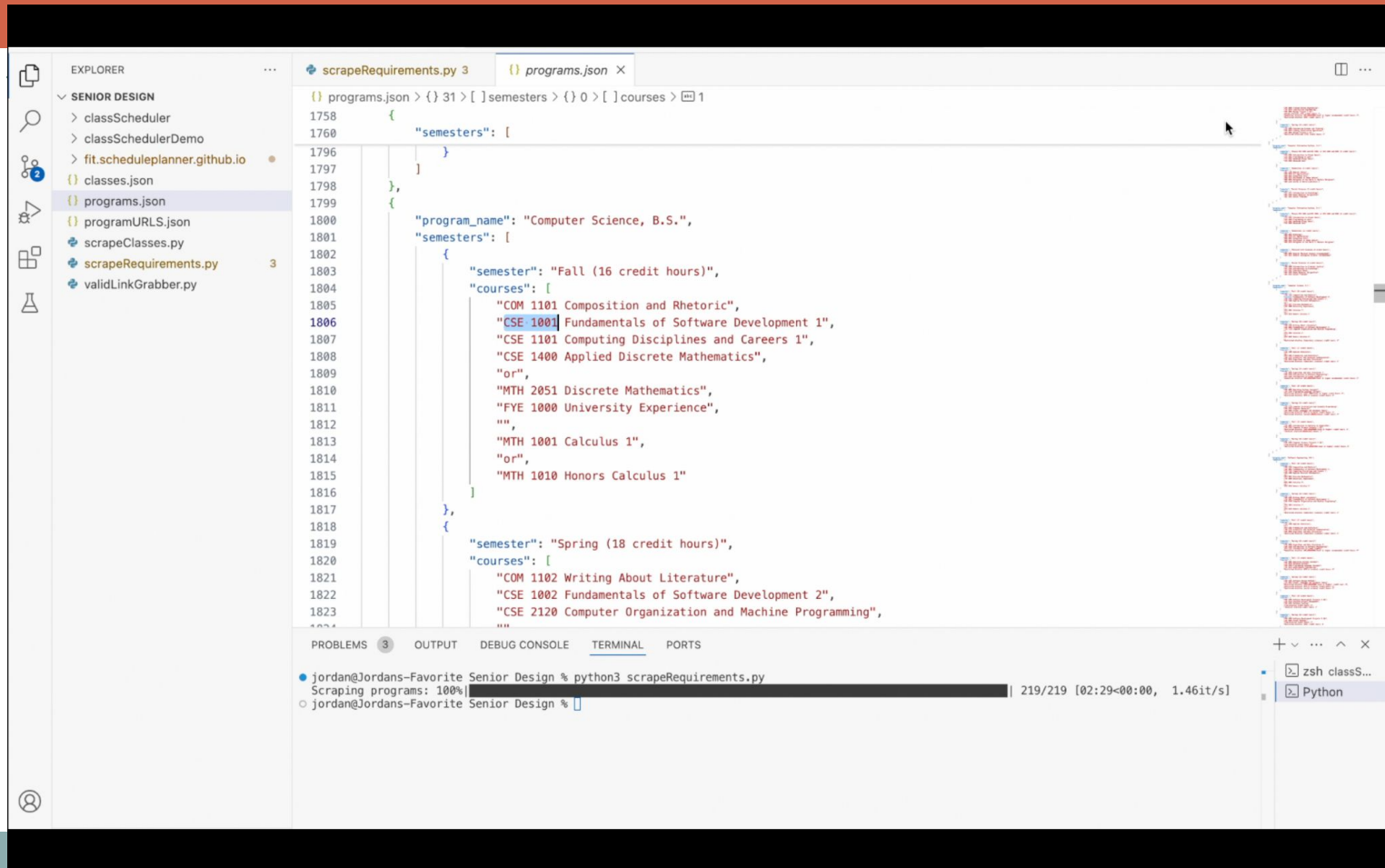
BUS 3304 - Sports Economics - TR 1400-1515

Remove

01:06

-00:56

Task 3: Resolve technical challenges



The screenshot displays the Visual Studio Code (VS Code) interface. The Explorer panel on the left shows a project named "SENIOR DESIGN" with several files, including "programs.json". The main editor window is open to "programs.json", which contains a JSON object representing a program. The JSON structure includes a "semesters" array, where each semester object lists a set of "courses". The first semester is "Fall (16 credit hours)" and the second is "Spring (18 credit hours)". The terminal window at the bottom shows the execution of a Python script "scrapeRequirements.py" using "python3". The terminal output indicates that the script is "Scraping programs: 100%" and shows the file path "jordan@Jordans-Favorite Senior Design %".

```
{
  "semesters": [
    {
      "program_name": "Computer Science, B.S.",
      "semesters": [
        {
          "semester": "Fall (16 credit hours)",
          "courses": [
            "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",
            "or",
            "MTH 1001 Calculus 1",
            "MTH 1010 Honors Calculus 1"
          ]
        },
        {
          "semester": "Spring (18 credit hours)",
          "courses": [
            "COM 1102 Writing About Literature",
            "CSE 1002 Fundamentals of Software Development 2",
            "CSE 2120 Computer Organization and Machine Programming",
            "or",
            "MTH 2051 Discrete Mathematics",
            "FYE 1000 University Experience",
            "or",
            "MTH 1001 Calculus 1",
            "MTH 1010 Honors Calculus 1"
          ]
        }
      ]
    }
  ]
}
```

```
jordan@Jordans-Favorite Senior Design % python3 scrapeRequirements.py
Scraping programs: 100%
jordan@Jordans-Favorite Senior Design %
```

EXPLORER

- SENIOR DESIGN
 - classScheduler
 - classSchedulerDemo
 - fit.scheduleplanner.github.io
 - classes.json
 - programURLS.json
 - scrapeClasses.py
 - scrapeRequirements.py
 - validLinkGrabber.py

programURLS.json

```
33 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7199",
34 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7201",
35 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7188",
36 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7197",
37 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7203",
38 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7204",
39 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7200",
40 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7202",
41 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7207",
42 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7202",
43 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7181",
44 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7223",
45 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7224",
46 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7226",
47 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7228",
48 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7227",
49 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7230",
50 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7231",
51 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7229",
52 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7232",
53 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7234",
54 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7235",
55 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7233",
56 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7236",
57 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7238",
58 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7240",
59 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7237",
60 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7241",
61 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7242",
62 "https://catalog.fit.edu/preview_program.php?catoid=18&pid=7247",
```

PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS

zsh classS...
Python

Jordan@Jordans-Favorite Senior Design % python3 validLinkGrabber.py
Testing Links: 100%
Valid URLs saved to programURLS.json
Jordan@Jordans-Favorite Senior Design %

EXPLORER

- SENIOR DESIGN
 - classScheduler
 - classSchedulerDemo
 - fit.scheduleplanner.github.io
 - classes.json
 - programURLS.json
 - scrapeClasses.py
 - scrapeRequirements.py
 - validLinkGrabber.py

programs.json

```
1758 {
1759   "semesters": [
1760     {
1761       "program_name": "Computer Science, B.S.",
1762       "semesters": [
1763         {
1764           "semester": "Fall (16 credit hours)",
1765           "courses": [
1766             "COM 1101 Composition and Rhetoric",
1767             "CSE 1001 Fundamentals of Software Development 1",
1768             "CSE 1101 Computing Disciplines and Careers 1",
1769             "CSE 1400 Applied Discrete Mathematics",
1770             "or",
1771             "MTH 2051 Discrete Mathematics",
1772             "FYE 1000 University Experience",
1773             "",
1774             "MTH 1001 Calculus 1",
1775             "or",
1776             "MTH 1010 Honors Calculus 1"
1777           ]
1778         },
1779         {
1780           "semester": "Spring (18 credit hours)",
1781           "courses": [
1782             "COM 1102 Writing About Literature",
1783             "CSE 1002 Fundamentals of Software Development 2",
1784             "CSE 2120 Computer Organization and Machine Programming",
1785             ""
1786           ]
1787         }
1788       ]
1789     }
1790   ]
1791 }
```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

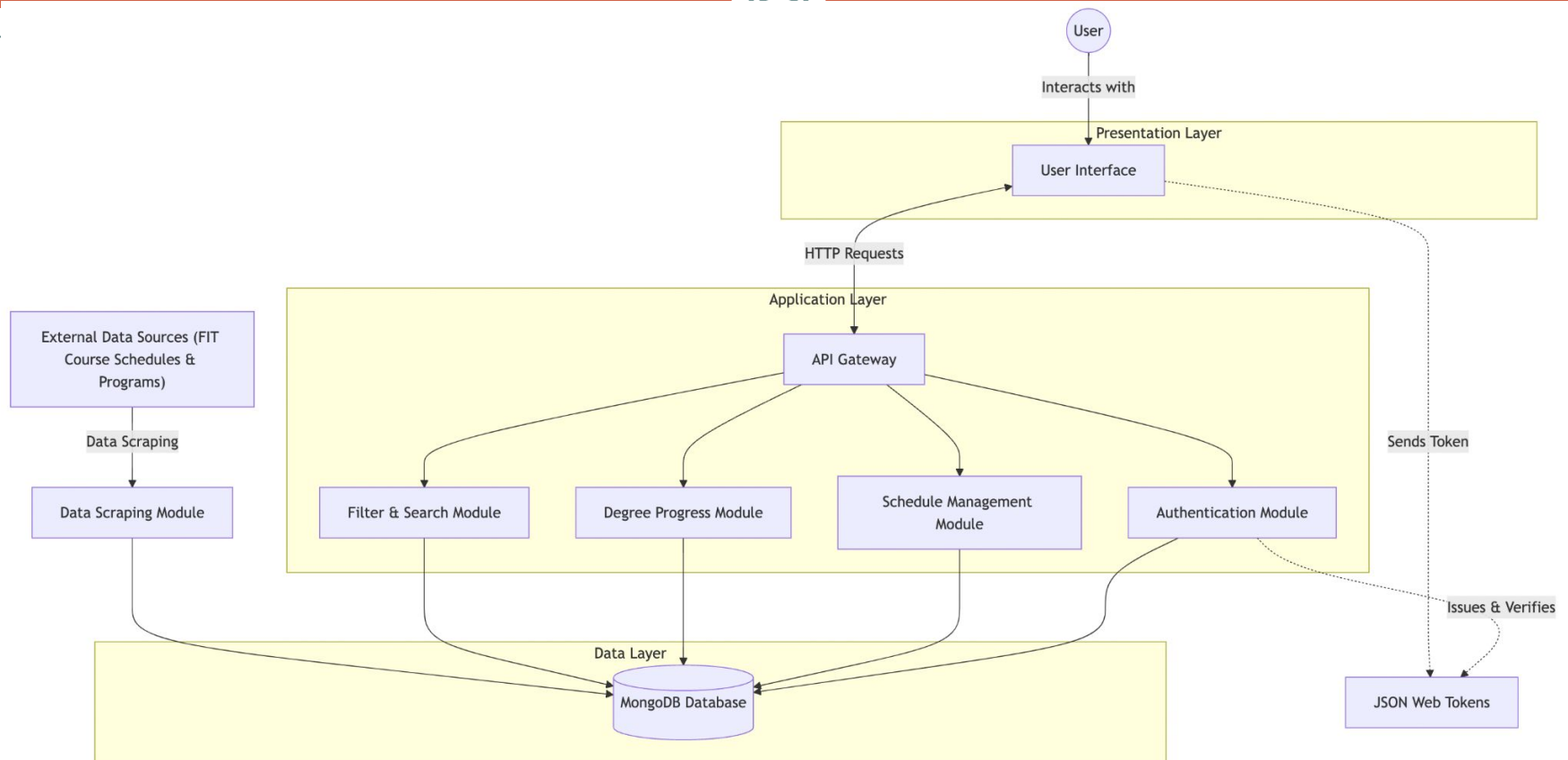
zsh classS...
Python

Jordan@Jordans-Favorite Senior Design % python3 scrapeRequirements.py
Scraping programs: 100%
Jordan@Jordans-Favorite Senior Design %

Task 4: Compare and select collaboration tools



Task 5, 6, 7: Documents



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

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%