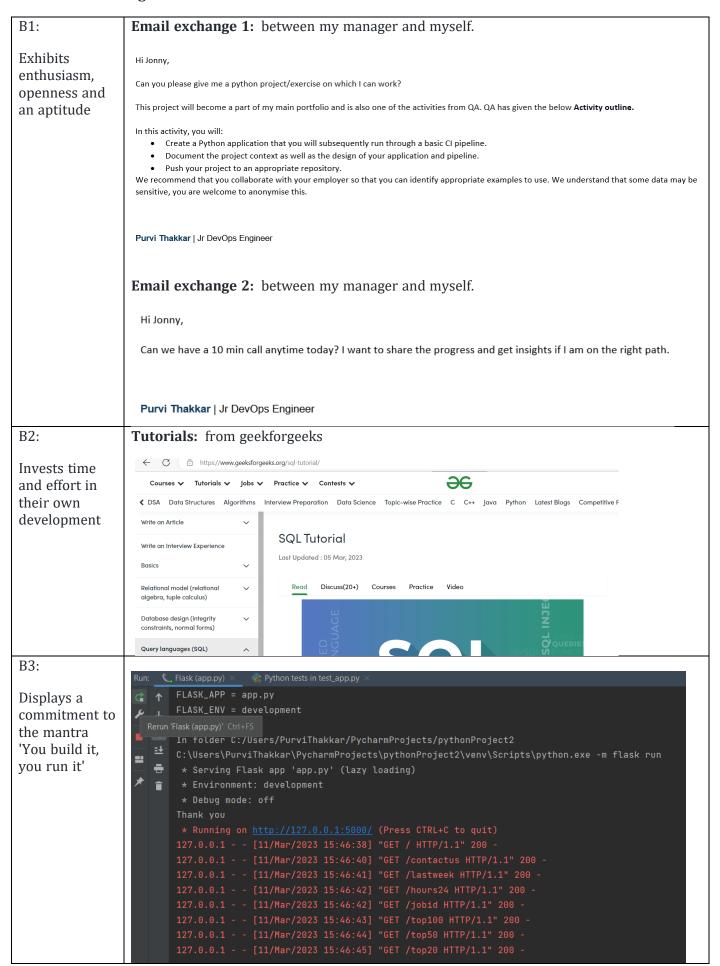
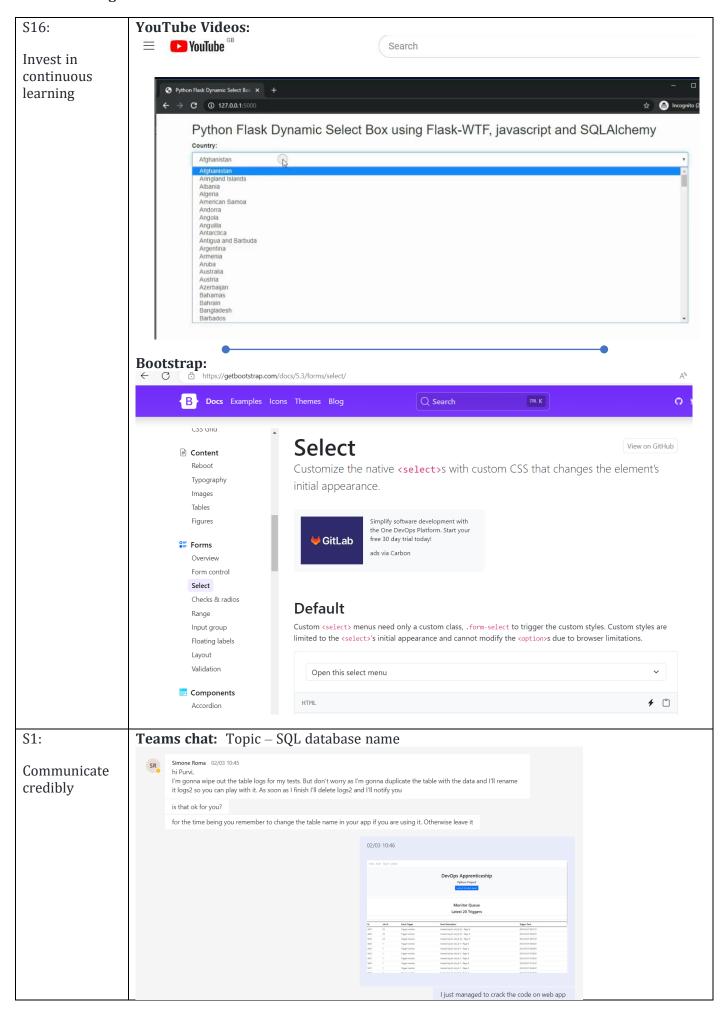
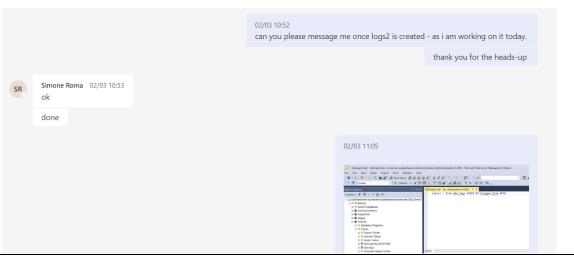
Assessment Criteria: (Activity 2.2 | Coding Fundamentals: Apply and Prove (Online & Workplace))

Behaviour Learning Outcome:



Skills Learning Outcome:





S8:

Work in agile, multidisciplinary .delivery teams **Agile methodology** is an iterative and collaborative approach to software development that emphasizes flexibility, adaptability, and customer collaboration. I have chosen Scrum as my preferred methodology for this project:

Scrum: Scrum is a popular agile framework for managing and completing complex projects. It involves a cross-functional team working together in short, time-boxed iterations called sprints, in my project its 1 week. My focus was to deliver a potentially shippable working code at the end of each sprint.

Scrum emphasizes transparency, inspection, and adaptation through daily stand-up meetings, sprint planning, sprint review, and sprint retrospective meetings.

Delivery team:

- **Jonny Gray Manager**: Jonny gave me the project specification and the desired outcome at the end of the project.
- Purvi Thakkar Project Owner / Developer / Tester
- **Simone Roma** Simone was my touch point when I had a few questions regarding the database (on which I was working)
- **Rory Patten** Rory was my touch point when I had a few python question..

Collaboration:

- 1. The objective of this project was to monitor queues from Monitor Database (SQL).
- 2. My role was to create a flask application that can connect to the SQL database and display the below on a web app:
 - Home page
 - About page
 - Top 20 (Top20 displays the latest 20 queues from the current time)
 - Top 50 (Top50 displays the latest 50 queues from the current time)
 - Top 100 (Top100 displays the latest 100 queues from the current time)
 - Job Id (Job Id takes input as job_id from the user using the GET method and displays all the queues for that job_id using the POST method)
 - Last week (Last week displays all the queues for the last week from the current day/time)
 - Last 24 hours (This page displays all the queues for the last 24 hours from the current day/time)
- Contact page

Progress and Iteration:

1. Progress 1: Create and run a simple application using flask and display web pages like home, about and contact us.

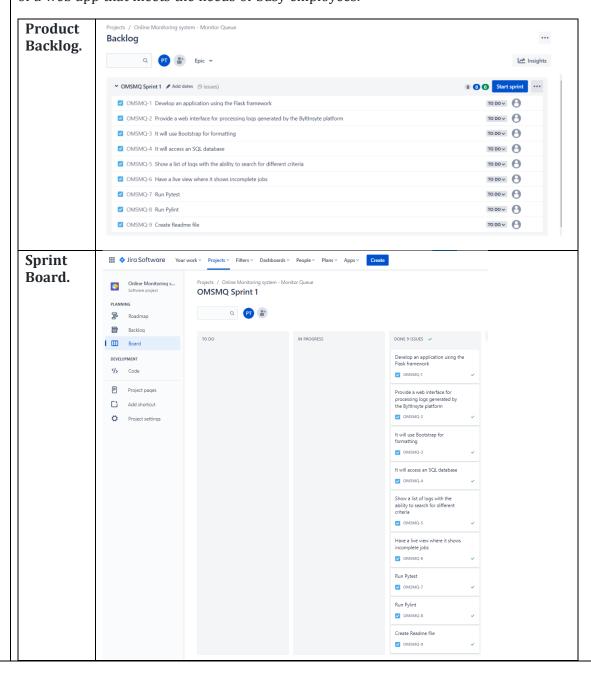
- **2. Progress 2:** Connect to the database and view the top 20 queues on the Top20 web page.
- **3. Progress 3:** Add the Top50 page to show the latest 50 queues from the Monitor database. Add the Top100 page to show the latest 100 queues from the Monitor database.
- **4. Progress 4:** Job Id page added, which uses the GET method to take input from the user and displays the database as per user input using the POST method.
- **5. Progress 5:** Run pytest to view all the functions running smoothly.
- **6. Progress 6:** Install Pylint and run app.py fix the issues scored 10.00 /10.
- 7. **Progress 7:** Capture screenshots of all the pages
- **8. Progress 8:** Create a Readme file to display project information.

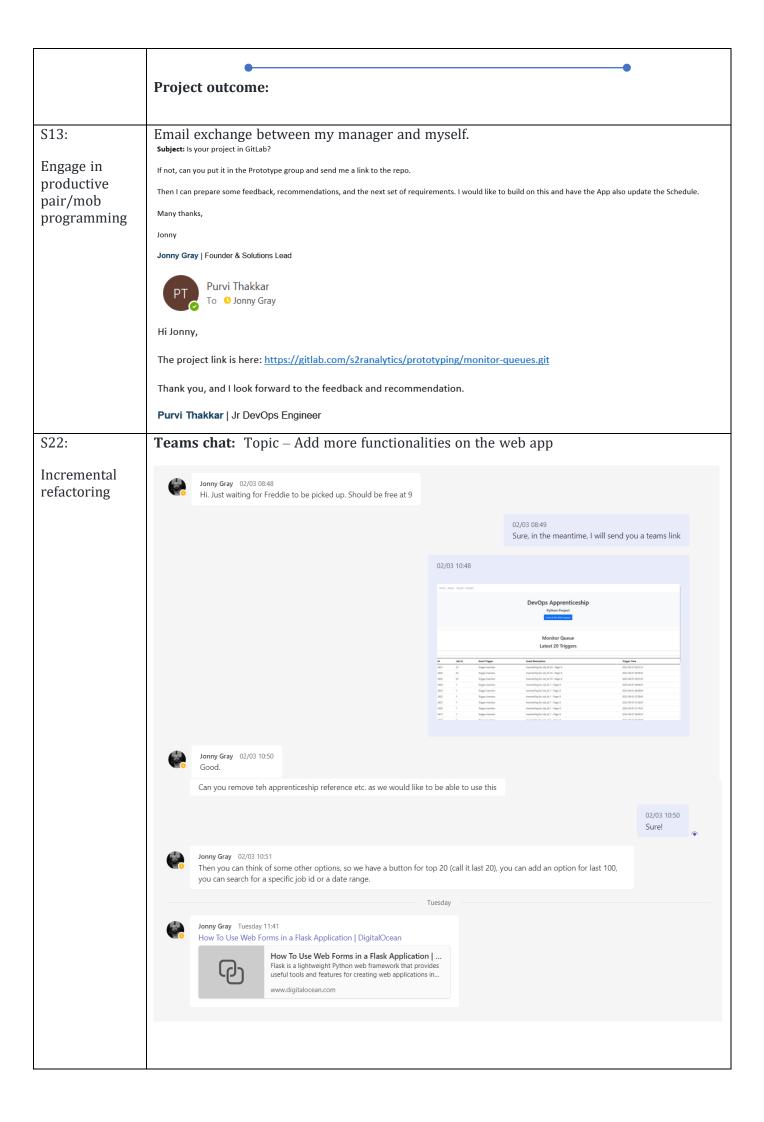
Project artifacts:

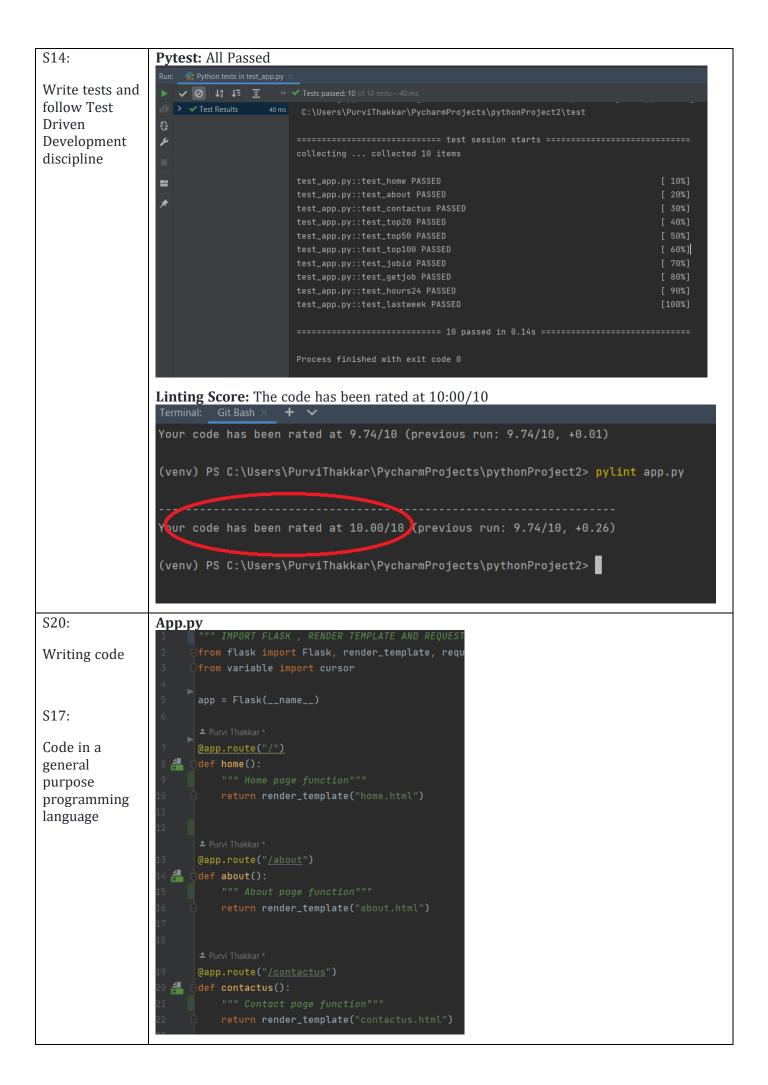
User stories:

As a user, I want to view the latest triggers online quickly and easily. **So that** I can save time and avoid the hassle of going to the portal and tracking the latest queues.

In this user story, the users are the employees of S2R Analytics who need to track the latest triggers (queues). The user's goal is to save time and avoid the inconvenience of physically going to the database. This user story would be used to guide the development of a web app that meets the needs of busy employees.







S11:

Employ a systematic approach to solving problems My unit test kept failing, and then I tried pytest, which failed a few times. Then I googled the error and tried a couple of solutions I found of stack overflow. Finally, the tests were passed.

Failed:

```
test_app.py::test_home FAILED
test_app.py:0 (test_home)
pytestconfig = <_pytest.config.Config object at 0x0000001C75B86FF10>

def test_home(pytestconfig):
    response = pytestconfig.get("/")
E    AttributeError: 'Config' object has no attribute 'get'

test_app.py:2: AttributeError

Process finished with exit code 1
```

Passed:

Thank you