San Francisco State University
CSC 648 - 848
Milestone 0 Submission Form
Section 04 Team 02

Tech Stack -
Server Host: Amazon AWS
Operating System: Ubuntu 22.0
Database: MySQL 8.0
Web Server: Nginx 1.20.1
Server-Side Language: Python 3.11
Web Application Framework: React 18.2.0
Server Application Framework: Django 4.1.6
IDE: Visual Studio Code, PyCharm

Website URL: http://13.52.61.95/
SSH URL: ec2-13-52-61-95.us-west-1.compute.amazonaws.com
Database URL: testdb.cf8asksiuwjo.us-west-1.rds.amazonaws.com
Database Username: admin
Database Password: rainbow77

Familiarity:

Student Name	React	Python	MySQL	Amazon AWS	Django
Ashmitha Dale Pais	2	3	4	2	1
Steve Betts	1	4	4	1	4
Chris Farnsworth	1	4	3	1	3
Abdul Barrie	3	2	1	1	1
Preet Dhaliwal	1	2	4	1	2
Nathan Loo	2	3	1	1	1

Study Plan:

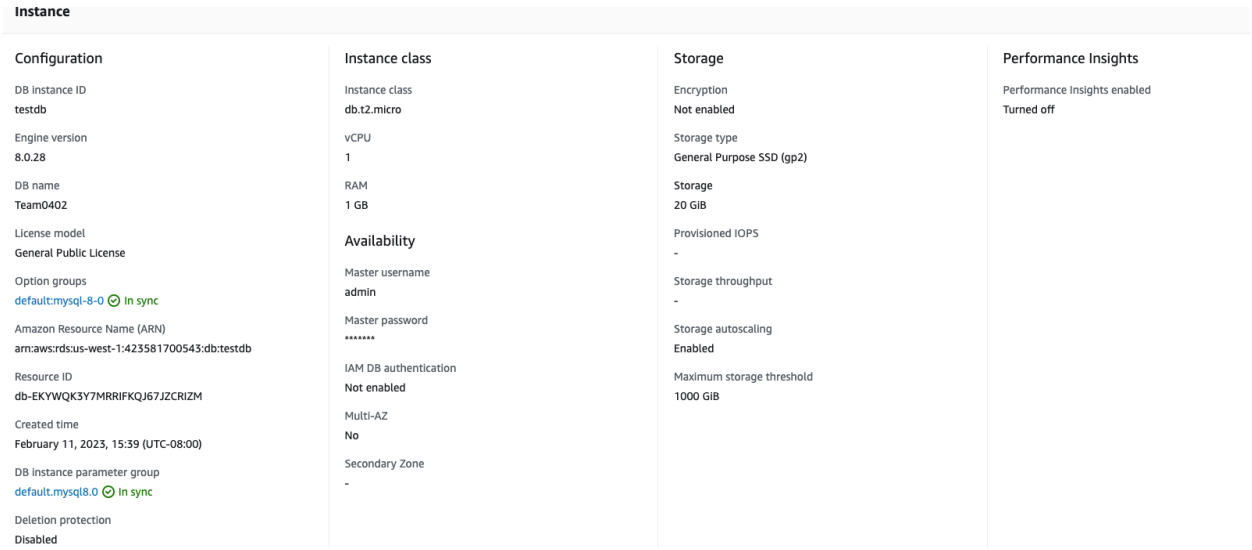
Amazon AWS, Amazon RDS, MySQL - Ashmitha Pais
Django, Python, MySQL - Steve, Preet, Chris
React, MySQL - Nathan and Abdul
Database, Git issues - Preet

How to connect to EC2 instance:

1. Clone **https://github.com/CSC-648-SFSU/csc648-spring23-04-team02**
2. Run "**cd csc648-spring23-04-team02/Application_SE02**"
3. Run "**ssh -i "mykey.pem" ubuntu@ec2-13-52-61-95.us-west-1.compute.amazonaws.com"**
4. It will connect to the EC2 instance, change permissions of mykey.pem to 400 if you see permission errors.

For database creation:

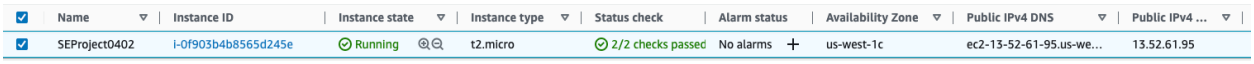
Created a free tier database from Amazon RDS with the following configurations:



2. Used [MySQL workbench] to access the amazon RDS database.

For creating EC2 instance:

1. We created a free tier EC2 instance. It is a t2.micro instance with 8gb memory.
2. Next, we used docker and docker compose to generate the build and get our code up and running on the instance.



For hosting onto EC2 after changes:

1. Create a feature branch from the main branch and make changes. Pushed code to your branch.
2. Raise a review from feature branch to main branch. Get it approved by Front-End Lead, Back-End Lead, Scrum Master and Team Lead.
3. Once the branch is merged, the Team Lead pulls from the repo, create a new npm build using **npm run build** and then hosts it on ec2 and builds it using **docker-compose up –build.**