# San Francisco State University
# CSC 648/848 Milestone 0 Submission Form
# Section 01 Team 05

## Team

| Student Name | Student's Role |
| --- | --- |
| Parth Desai | Team Lead / PM |
| Pedro Grande | Front-end Developer |
| Charvi Sharma | Scrum Master |
| Josue Hernandez | Git Master |
| Andre Velarde | Back-end Lead |
| Preet Vithani | Front-end Lead |
| Hsin-Ying Tsai | Back-end Developer |

## Tech Stack

| Tech Stack | Service |
| --- | --- |
| Server | AWS |
| Back-End | Python |
| Database | MySQL |
| Web App Framework | Django |
| Front-end | HTML |
| Web server | nginx |
| Compiler/IDE | VS Code |

## Cloud VM Instance

| Item | Credentials |
| --- | --- |

| Website URL | 52.53.125.5 |
|---|---|
| Cloud VM instance | AWS EC2 Instance |
| Instance ID | i-09b69c857e26f57ec |
| Public IP Address | 52.53.125.5 |
| SSH Command | `ssh -i <pem_key_location> ubuntu@52.53.125.5` |

## Database Instance Details

| Item | Credentials |
|---|---|
| Database instance | Amazon RDS MySQL DB Instance |
| Endpoint | csc648-db-instance.cte6ak6ygcx6.us-west-1.rds.amazonaws.com |
| Port | 3306 |
| User | admin |
| Password | ParthDesai2000 |

## Tech Stack Familiarity

Below is a table indicating our competencies in the various technologies we'll be using (scaled out of 5):

| Name | React | Python | MySQL | AWS |
|---|---|---|---|---|
| Parth Desai | 2 | 4.5 | 3.5 | 4 |
| Pedro Grande | 2 | 3 | 2 | 1 |
| Charvi Sharma | 1 | 2 | 3 | 1 |
| Josue Hernandez | 3 | 3 | 2 | 1 |
| Andre Velarde | 2 | 3 | 1 | 1 |
| Preet Vithani | 3 | 2 | 2 | 1 |
| Hsin-Ying Tsai | 2 | 4 | 2 | 2 |

## Study Plan for Team

### React

**Who:**

- **Preet Vithani (Front-end Lead)** - With a familiarity of 3 in React, Preet will lead the team in React-related tasks.

- **Josue Hernandez (Git Master)** - Has a familiarity of 3 in React and will work closely with Preet on front-end development.
- **Parth Desai (Team Lead / PM)** - With a familiarity of 2, Parth will assist in React tasks as needed.
- **Pedro Grande (Front-end Developer)** - Also with a familiarity of 2 in React, Pedro will focus on learning and implementing React alongside Preet.

**Expected goals for the next 4 weeks:**

- Complete a comprehensive React tutorial covering basic to intermediate concepts.
- Start building core components of the app.
- Schedule peer programming sessions to share knowledge and discuss best practices.

# Python

**Who:**

- **Parth Desai (Team Lead / PM)** - With a familiarity of 4.5 in Python, Parth will take charge of Python development tasks and guide the team.
- **Hsin-Ying Tsai (Back-end Developer)** - With a familiarity of 4, Hsin-Ying will work closely with Parth in backend development.
- **Pedro Grande (Front-end Developer)** - With a familiarity of 3 in Python, Pedro will support backend tasks where necessary.
- **Josue Hernandez (Git Master)** - With a familiarity of 3, Josue will contribute to Python development as needed.
- **Andre Velarde (Back-end Lead)** - Andre, with a familiarity of 3, will lead the backend efforts and collaborate with Parth and Hsin-Ying.
- **Preet Vithani (Front-end Lead)** - With a familiarity of 2, Preet will focus on learning Python to assist with backend tasks as needed.
- **Charvi Sharma (Scrum Master)** - Will focus on improving her Python skills, starting from her familiarity level of 2.

**Expected goals for the next 4 weeks:**

- Each team member completes a Python crash course.
- Begin working on backend logic using Python, focusing on core functionality.
- Conduct weekly code reviews to ensure best practices are followed.

# MySQL

**Who:**

- **Parth Desai (Team Lead / PM)** - With a familiarity of 3.5, Parth will lead the database design and oversee MySQL queries and schema development.
- **Charvi Sharma (Scrum Master)** - With a familiarity of 3, Charvi will assist in MySQL tasks and database management.
- **Hsin-Ying Tsai (Back-end Developer)** - With a familiarity of 2, Hsin-Ying will support database-related tasks and enhance her MySQL skills.
- **Pedro Grande (Front-end Developer)** - Pedro, with a familiarity of 2, will contribute to database design and queries under the guidance of Charvi and Parth.
- **Josue Hernandez (Git Master)** - Josue will provide support for MySQL tasks and improve his familiarity level of 2.
- **Andre Velarde (Back-end Lead)** - With a familiarity of 1, Andre will focus on learning MySQL and collaborating with Parth on backend database integration.

**Expected goals for the next 4 weeks:**

- Complete a MySQL course that covers database design, queries, and optimization.
- Design and implement the core database schema for the project.
- Schedule a MySQL workshop for team members to share knowledge and best practices.

# AWS

**Who:**

- **Parth Desai (Team Lead / PM)** - With a familiarity of 4, Parth will guide the team in utilizing AWS services for deployment and

cloud-related tasks.

- **Hsin-Ying Tsai (Back-end Developer)** - With a familiarity of 2, Hsin-Ying will support AWS-related tasks and enhance her cloud skills.
- **Pedro Grande (Front-end Developer)** - With a familiarity of 1, Pedro will focus on learning AWS and support the cloud deployment process.
- **Josue Hernandez (Git Master)** - With a familiarity of 1, Josue will focus on understanding AWS basics to assist the team.
- **Andre Velarde (Back-end Lead)** - With a familiarity of 1, Andre will focus on learning AWS cloud services and contribute to deployment efforts.
- **Charvi Sharma (Scrum Master)** - Will also focus on learning AWS with her current familiarity of 1.

**Expected goals for the next 4 weeks:**

- Team members should complete an AWS fundamentals course.
- Set up the project's cloud infrastructure using AWS.
- Deploy an initial version of the backend system on AWS to test the cloud environment.

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Team Meeting Notes: For M0