San Francisco State University

CSC 648 - 04

Milestone 0

Section 04 Team 06 [Check With Manuel]

Technologies in Team’s Software Stack:

*Server Host: Oracle Cloud Infrastructure 2vCPU 1GB RAM*

*Operating System: Ubuntu 22.04.3*

*Database: MongoDB Atlas 6.0.13*

*Web Server: Nginx*

*Front-End Framework: React*

*Server-Side Language: Javascript*

*Web Application Framework: Express*

*IDE: Visual Studio Code*

| Website: | <http://192.9.228.148/> |
| --- | --- |
| Cloud VM: | 1. Download id\_rsa (ssh key file) 2. Set file permission:   Mac: Terminal: chmod 600 id\_rsa  Windows: Right click > properties > security > advance > disable inheritance > choose first option > delete every user except current user > save changes   1. Terminal: ssh -i id\_rsa ubuntu@192.9.228.148 |
| Database: | 1. Install MongoDB Compass 2. Input the URL below into the URI box 3. Connect   URL: mongodb+srv://Team6:5TNSPulOVBu0xGJD@csc-648-cluster.zblwenx.mongodb.net/ |

# Study Plan:

\*Scale of 1-5: 1 [never used]; 5 [very familiar]

| *Familiarity* | OCI (Oracle) | Javascript | React | Express | MongoDB |
| --- | --- | --- | --- | --- | --- |
| Ashley | 4 | 3 | 2 | 2 | 1 |
| Brenden | 1 | 3 | 1 | 1 | 1 |
| Kent | 1 | 3 | 2 | 2 | 4 |
| Pierre | 2 | 4 | 4 | 2 | 3 |
| Yuquan | 1 | 3 | 3 | 2 | 3 |
| Nhan | 1 | 3 | 2 | 2 | 2 |

Based on familiarity, we set up the following study plan:

* OCI:
  + Who:
    - Ashley
    - Pierre
    - Kent
    - Brenden
  + Expected Goal (in 4 weeks):
    - Able to navigate through OCI
    - Able to deploy the stack
    - Deploy stack for milestone 0
    - Basic deployment
* JS:
  + Who:
    - Ashley
    - Yuquan
    - Kent
    - Brenden
  + Expected Goal (in 4 weeks):
    - Know the syntax of basic components needed
    - Promises, async/await
* React:
  + Who:
    - Ashley
    - Pierre
    - Kent
    - Brenden
  + Expected Goal (in 4 weeks):
    - Know the syntax of basic components needed
    - Complete profile page
    - Handling components and props
* Express:
  + Who:
    - Yuquan
    - Brenden
  + Expected Goal (in 4 weeks):
    - Know the syntax of basic components needed
    - Know how to create API routes
* MongoDB:
  + Who:
    - Ashley
    - Brenden
    - Yuquan
  + Expected Goal (in 4 weeks):
    - Know the syntax of basic components needed
    - Know the basics: Create, Read, Update, Delete
      * Read: find and return