

Florida International University

Spring 2023 Capstone 2 Project

SkillCourt Interactive Soccer Technology

Students: Ashley Enalien

Mentor: Gummi Traustason and Joseph Quinn

Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University professor

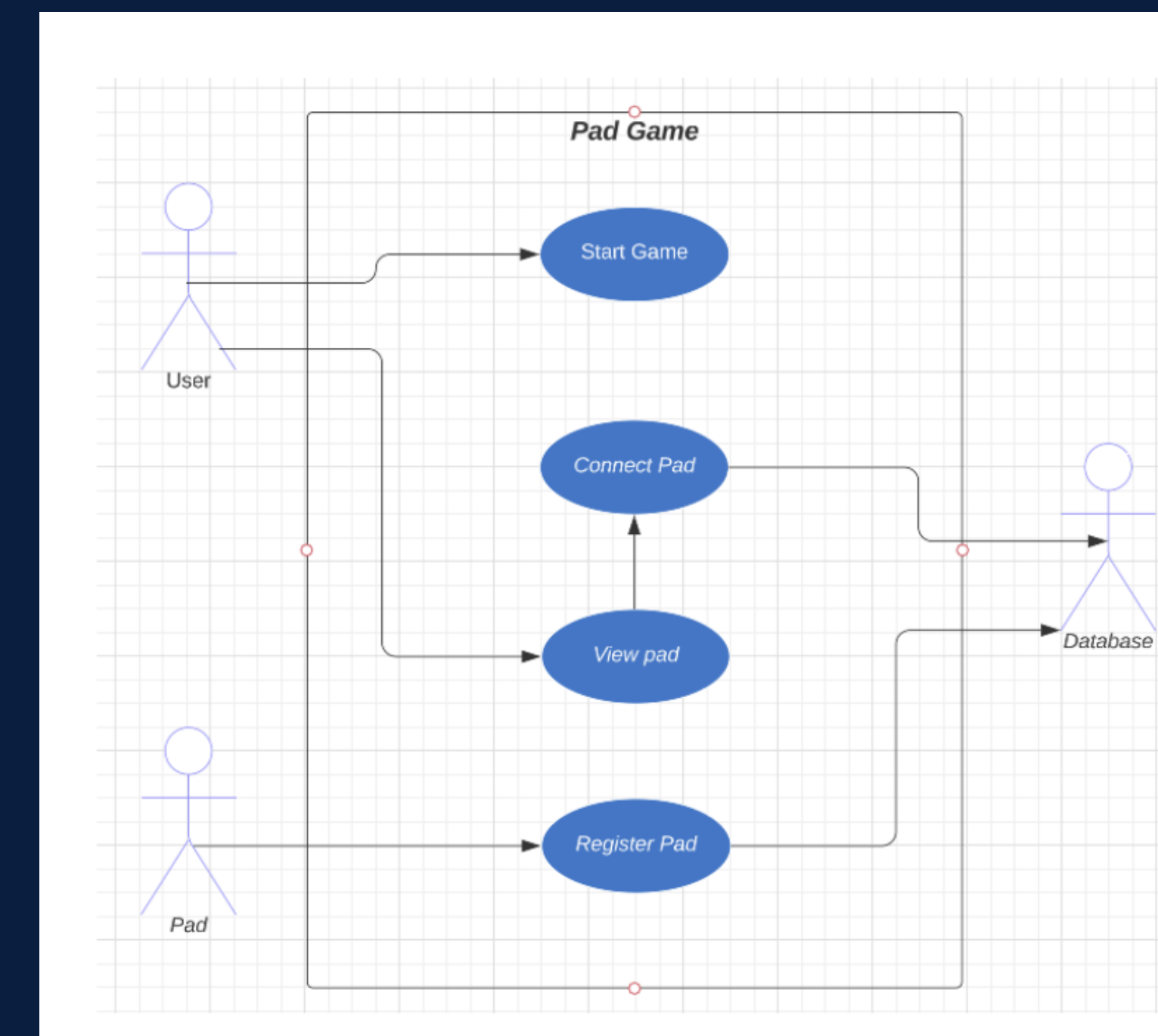
SkillCourt
PLAY ON PLAYER

APP SUMMARY

SkillCourt is a mobile and web application where players kick soccer balls at a physical LED panel. Their accuracy is recorded by a phone application and synced with an online dashboard



CURRENT SYSTEM



REQUIREMENTS

WEBSITE

- A GitHub Account
- Node >= v19.0.0
- Npm >= 9.3.1
- PNPM >=v6.21.0
- or a V.M. with
- Linux installed
- Docker Desktop
- with PostgreSQL
- VSCode

MOBILE

- Java JRE > 1.8
- A GitHub Account
- Git
- Git-flow-avh
- Flutter SDK
- A phone
- emulator like
- Android Studio
- Android Tool
- Chain
- Python3

PROBLEM

The SkillCourt mobile app was not connected to the website so the information collected from each individual platform were not synched together. It was necessary to update the readme file for installing the S.I.C.T. database, database IDs, Docker Compose files, NestJS dependencies, Prisma and Node.JS packages

```
See 'snap info docker' for additional versions.
pythonman@pythonman-VirtualBox:~/Desktop/Skillcourt/skillcourt-website$ docker compose exec webapp pnpm
prisma db push
EACCESS: EACCESS: permission denied, open '/app/_tmp_13_9429b69ba8b8a4a178b8235c87808b6'

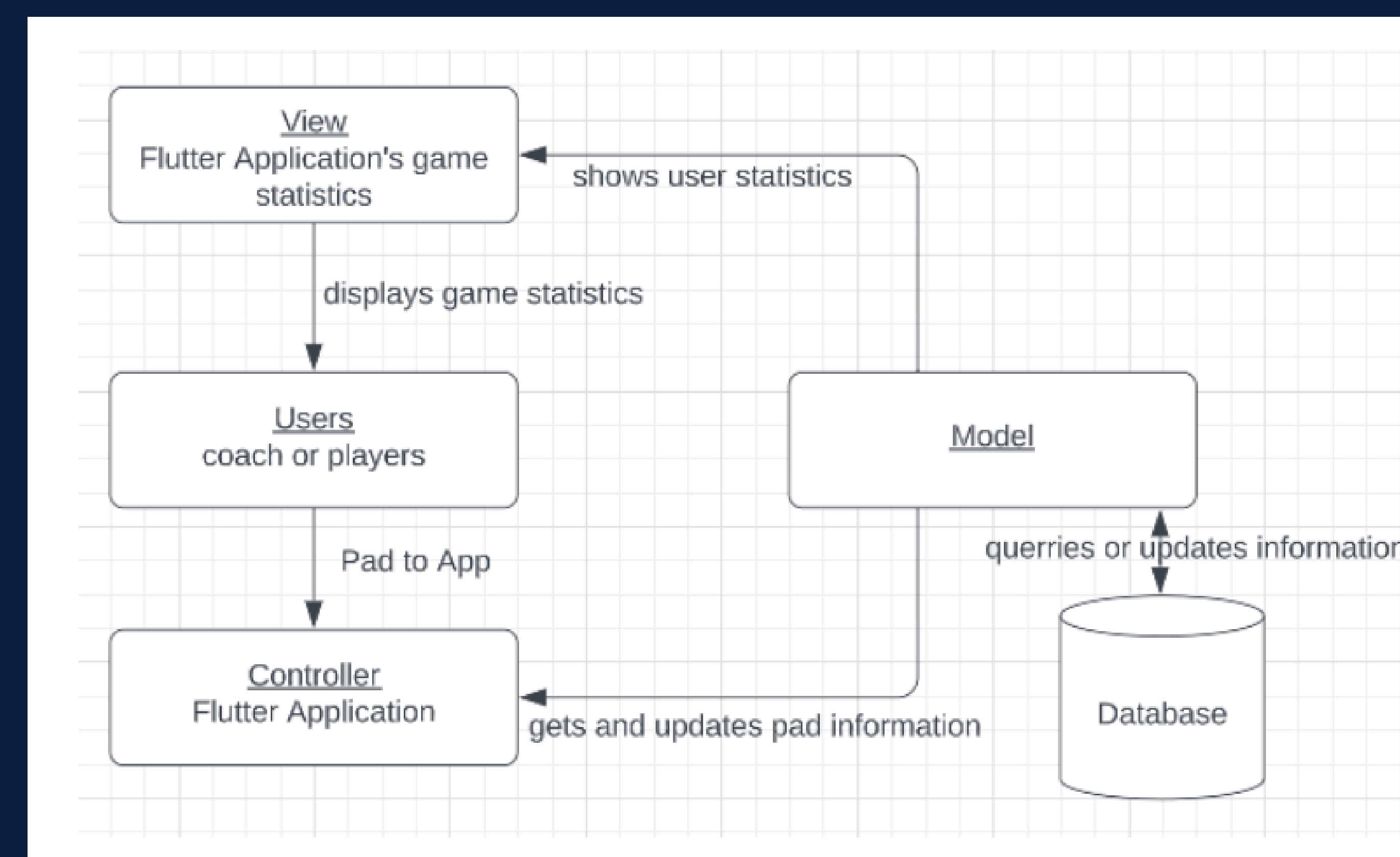
pythonman@pythonman-VirtualBox:~/Desktop/Skillcourt/skillcourt-website$ docker compose exec webapp pnpm
prisma db push
pythonman@pythonman-VirtualBox:~/Desktop/Skillcourt/skillcourt-website$ docker compose exec webapp pnpm
prisma db seed

Command 'docker-compose' not found, but can be installed with:
sudo snap install docker # version 20.10.17, or
sudo apt install docker-compose # version 1.25.0-1
```

VERIFICATION

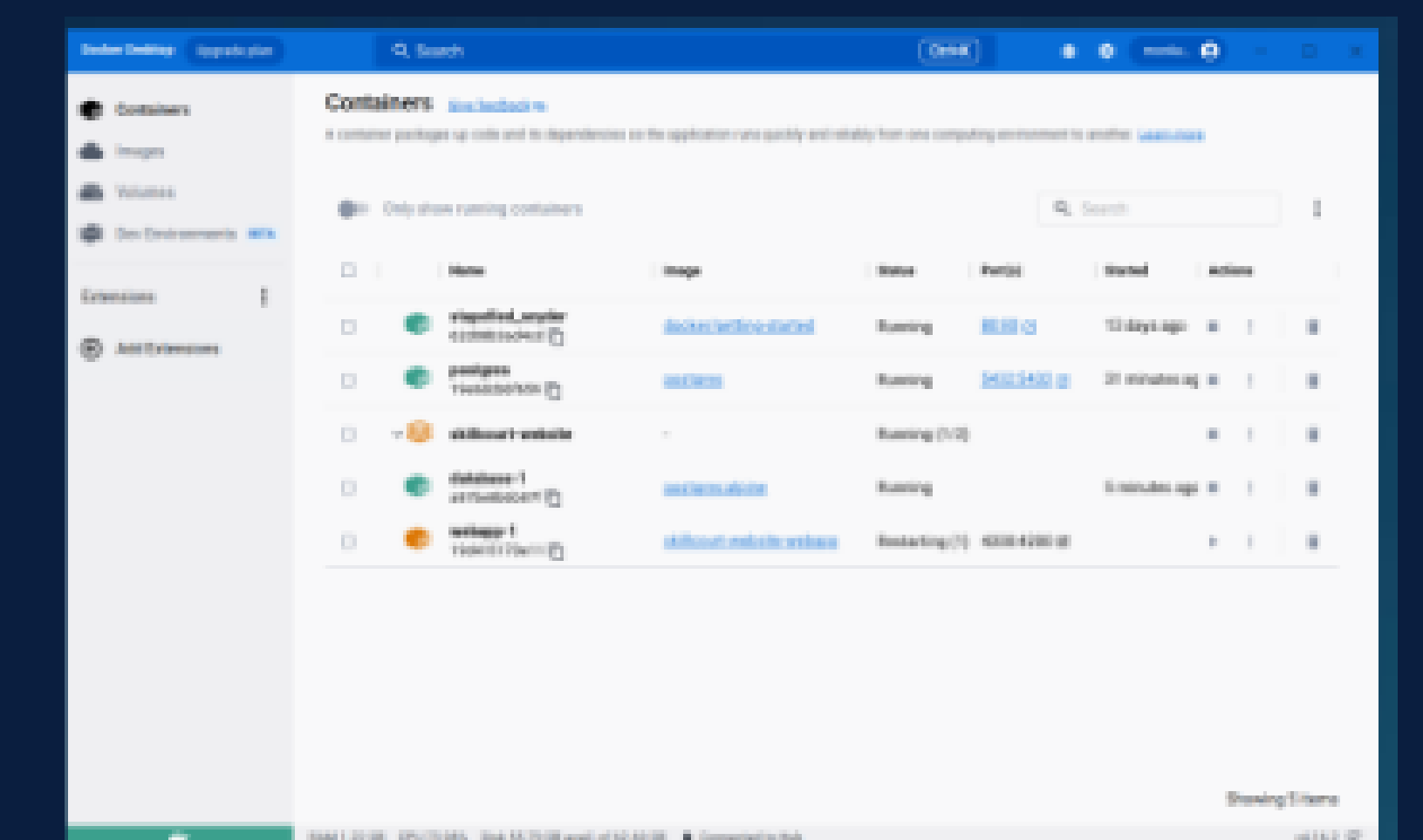
- Verified that the achievements/scores recorded were passed to the mobile app and website
- Verified that the mobile app signup page was running smoothly
- Verified that the colors chosen on the mobile app were properly being activated when the user selected them

SYSTEM DESIGN



IMPLEMENTATION

Docker Desktop is responsible for managing the database, while phone emulator software like Android Studio is used for testing and running the SkillCourt Interactive Soccer Technology application.



TECHNOLOGIES



Figure 1

Figure1 After we successfully updated and migrated everything, we ran the app on the phone emulator with a couple of test cases. Augusto also tested his updates to the website, and it works well.

ACKNOWLEDGEMENT

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