

The image features a dark navy blue background. On the left side, there are two overlapping parallelogram shapes: a purple one in the foreground and a light green one behind it. Both shapes are oriented diagonally, with their longer sides running from the top-left towards the bottom-right. The text 'Admin Portal' is positioned to the right of these shapes.

# Admin Portal



# Team members

- William English
- Daniel Litt
- Cody Miner
- Brian RInger



# Business Requirements

- BR1: We need a system that can create lessons for the official training game
- BR2: We would like to be able to get lessons in the official training game without going through a developer
- BR3: We want to get analytics based on the users of the training software
- BR4: We want to gamify the training software in order to engage users



# Use Cases

- UC1: Admin uploads video
- UC2: Admin puts videos into a “lesson” object
- UC3: Admin saves lesson into database
- UC4: User can download lessons into unity application
- UC5: Users view and play lessons with progress tracked
- UC6: Users will complete something and earn an achievement
- UC7: User’s data is collected for analytics
- UC8: Admin can analyze user data
- UC9: Admin can add “calls” to each video



# Web App Functional Requirements

- FR1: Web App can upload videos to the database -- HIGH -- BR1
- FR2: Web App can upload “lessons” to the database -- HIGH -- BR1
- FR3: Admin can add videos through the Web App into the database -- HIGH -- BR1
- FR4: Admin can order videos through the Web app into a “lesson” -- HIGH -- BR1
- FR5: Admin can add in the "calls" need to be made on each video -- HIGH -- BR1
- FR6: Admin can log into the Web App -- MEDIUM -- BR1
- FR7: Admin can view tracked analytics from users -- LOW -- BR3



# Game App Functional Requirements

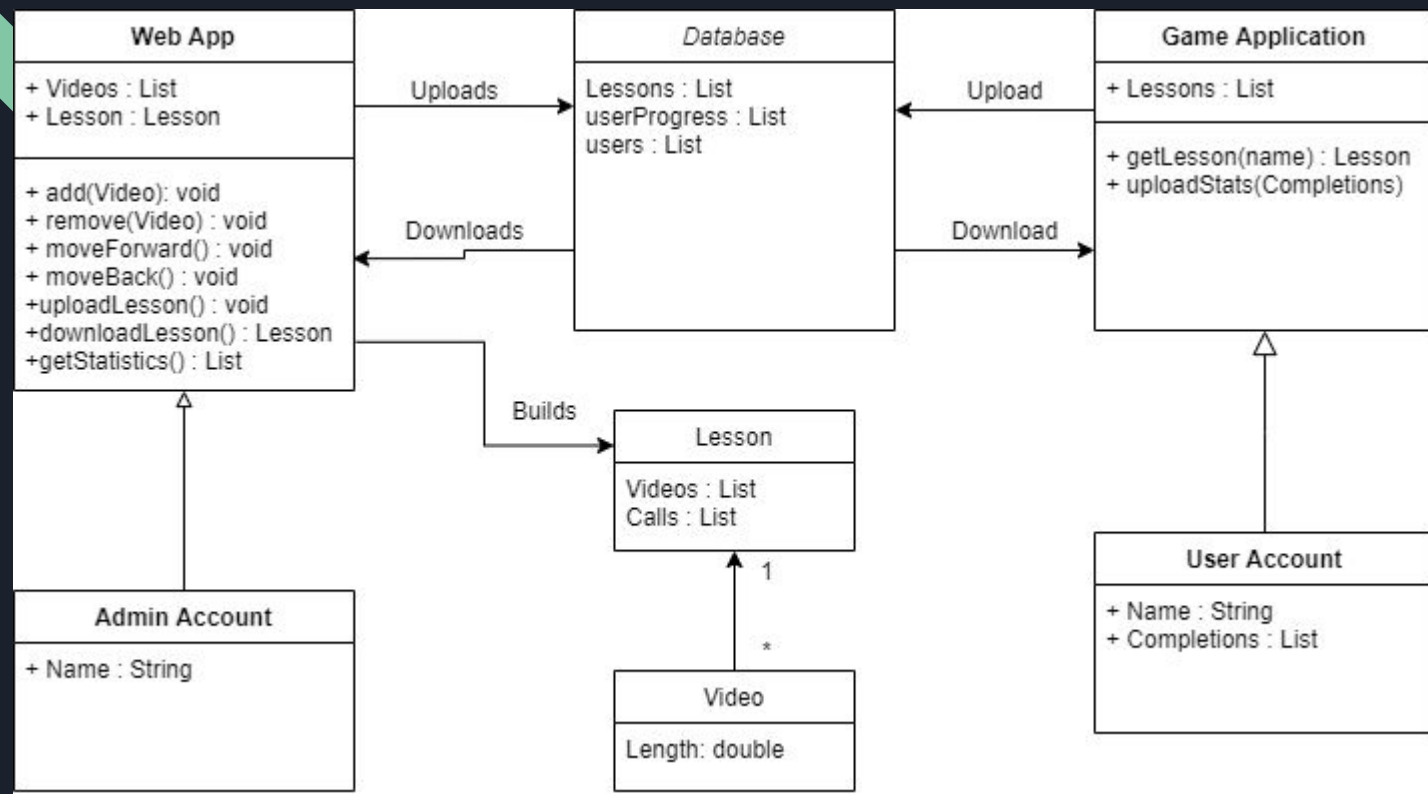
- FR8: Users can create an account for the Game Application -- MEDIUM -- BR3
- FR9: Users can log into the Game Application locally -- MEDIUM -- BR3
- FR10: Game Application can download videos -- HIGH -- BR2
- FR11: Game Application can download “lessons” from the database -- HIGH -- BR2
- FR12: Users can download videos to Game Application -- HIGH -- BR2
- FR13: Users can download “lessons” to Game Application -- HIGH -- BR2
- FR14: User progress is stored locally -- HIGH -- BR4
- FR15: User progress is stored in the cloud -- MEDIUM -- BR3
- FR16: User analytics are tracked -- LOW -- BR3
- FR17: Game Application can upload tracked user data -- MEDIUM -- BR3
- FR18: Game Application can display incomplete achievements to users -- LOW -- BR4
- FR19: Game Application can track completed achievements -- LOW -- BR4
- FR20: Game Application can display completed achievements -- LOW -- BR4
- FR21: User’s local analytics are push when they are internet -- LOW -- BR4



# Non-Functional Requirements

- PER1: Video quality 1080p and 4k and individual videos capped at 500 Mb (should not exceed 2 min) -- MEDIUM -- BR1
- PER2: Video can be uploaded and processed in 15 minutes -- HIGH -- BR1
- USE1: Training should take less than 30 minutes, all in-app -- LOW -- BR1

# Domain Model







# Tech Stack

- **Unity** - We are building off of an existing product that has been built with Unity.
- **React JS** - The functionality of the lesson maker and the data visualizations will require more than regular HTML, CSS, and JS, so we believe that this is the best solution for those requirements.
- **Firebase** - Firebase is a cloud computing solution with competitive pricing for applications without much data or many read/writes.
- **Github** - For version control, we will take advantage of Git/Github. This is the version control we are all used to and has a track record of working.
- **Freedcamp** - <https://freedcamp.com/> - This is the client's preferred project management tool.



# Prototype

- <https://xd.adobe.com/view/b1275bf7-866c-4221-8389-899349c1f0ba-e474/>

# Admin Portal

User Name

Password



LOGIN

+ CREATE LESSON PACK



## Lesson Pack

Body 2



Video Lesson 1



Video Lesson 2



Subtitle 2



Subtitle 2



Subtitle 2



+ ADD VIDEO

+ CREATE LESSON PACK



## Lesson Pack

Body 2



Video Lesson 1



Video Lesson 2



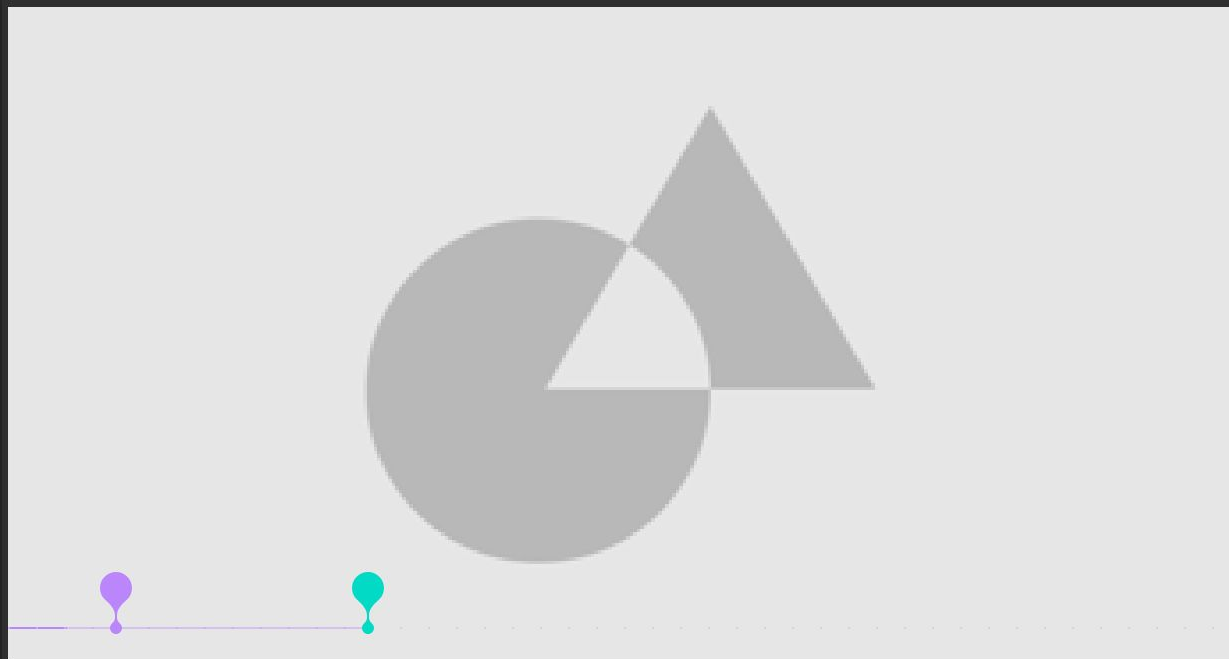
Subtitle 2



Subtitle 2



Subtitle 2



### Call Options



Correct call



Call 2



Call 3





# First Iteration Features

- Web App can upload point-of-view videos to the database -- HIGH
- Admin can log into the Web App -- MED
- Game Application can download point-of-view videos -- HIGH



# What we changed because of our mentor

- Refining the amount of Iteration 1 features
- Clarify some of the features



# What we changed because of our client

- Need to add instruction video to prototype otherwise he enjoyed the look
- We forgot a use case where the admin can add “calls” to the videos
- Planning on better defining the terms used for his domain
- Agreed to scale back first iteration features like our mentor said
- The specifics of what data will be collected



Pluto

