

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

**Project Plan**  
**Mobile Mini Movers Who Care**  
**The Capstone Experience**

**Team TWO MEN AND A TRUCK**

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*From Students...  
...to Professionals*

# Functional Specifications

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- Entertain children on a long move
- Collect points while keeping boxes on a truck
- Compete with friends via leaderboard (Facebook)



# Design Specifications

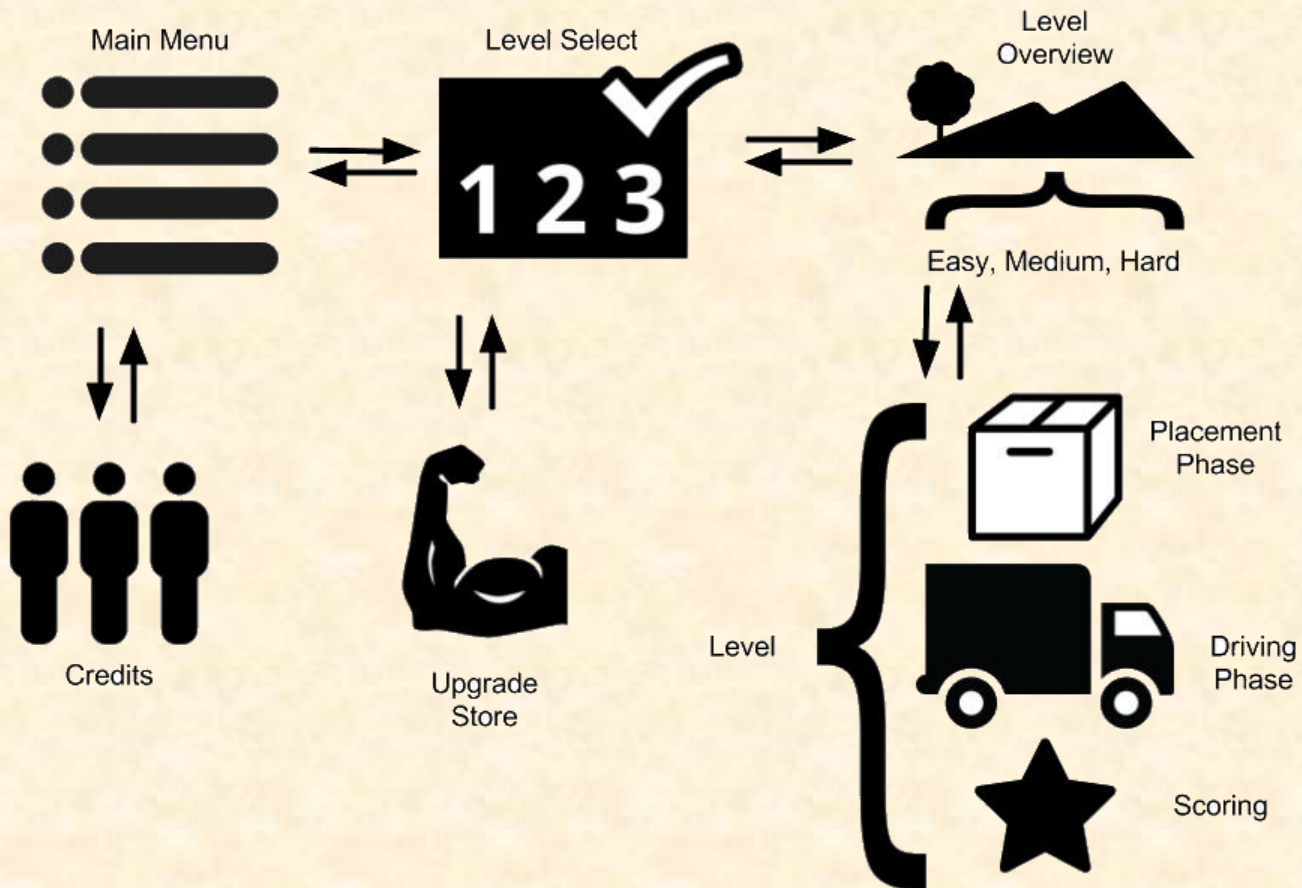
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- Choose levels or go to the store through the menu
- Levels consist of three difficulties
- The store contains upgrades for trucks

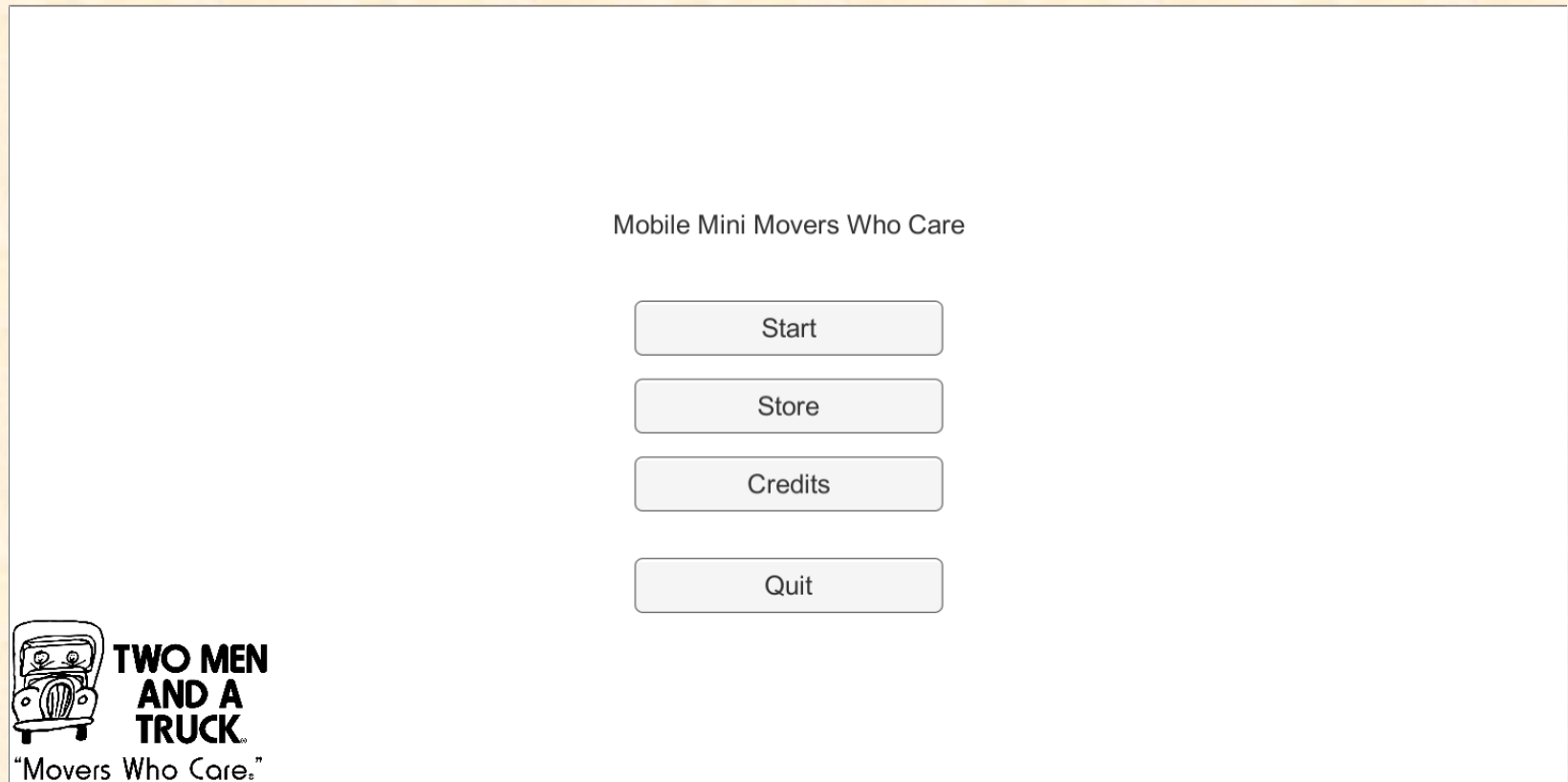


# Game Flow

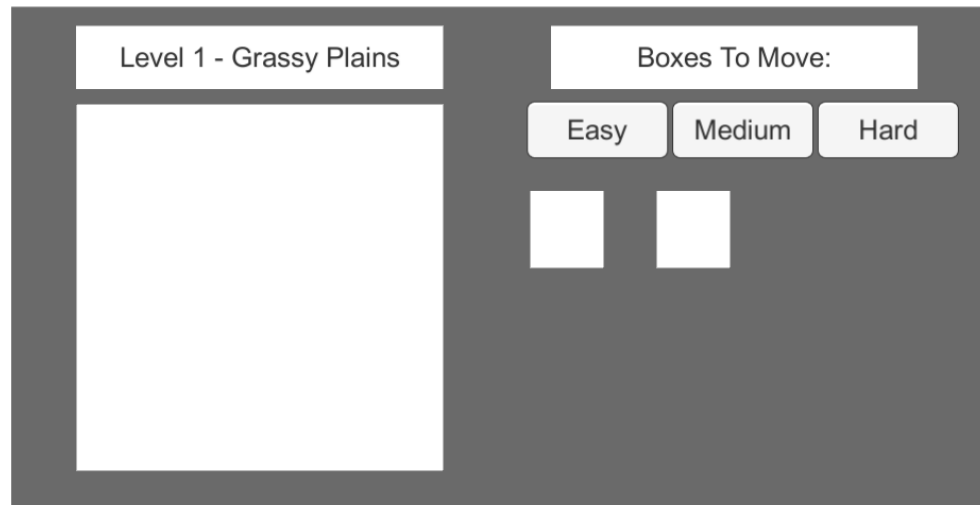
## Game Flow:



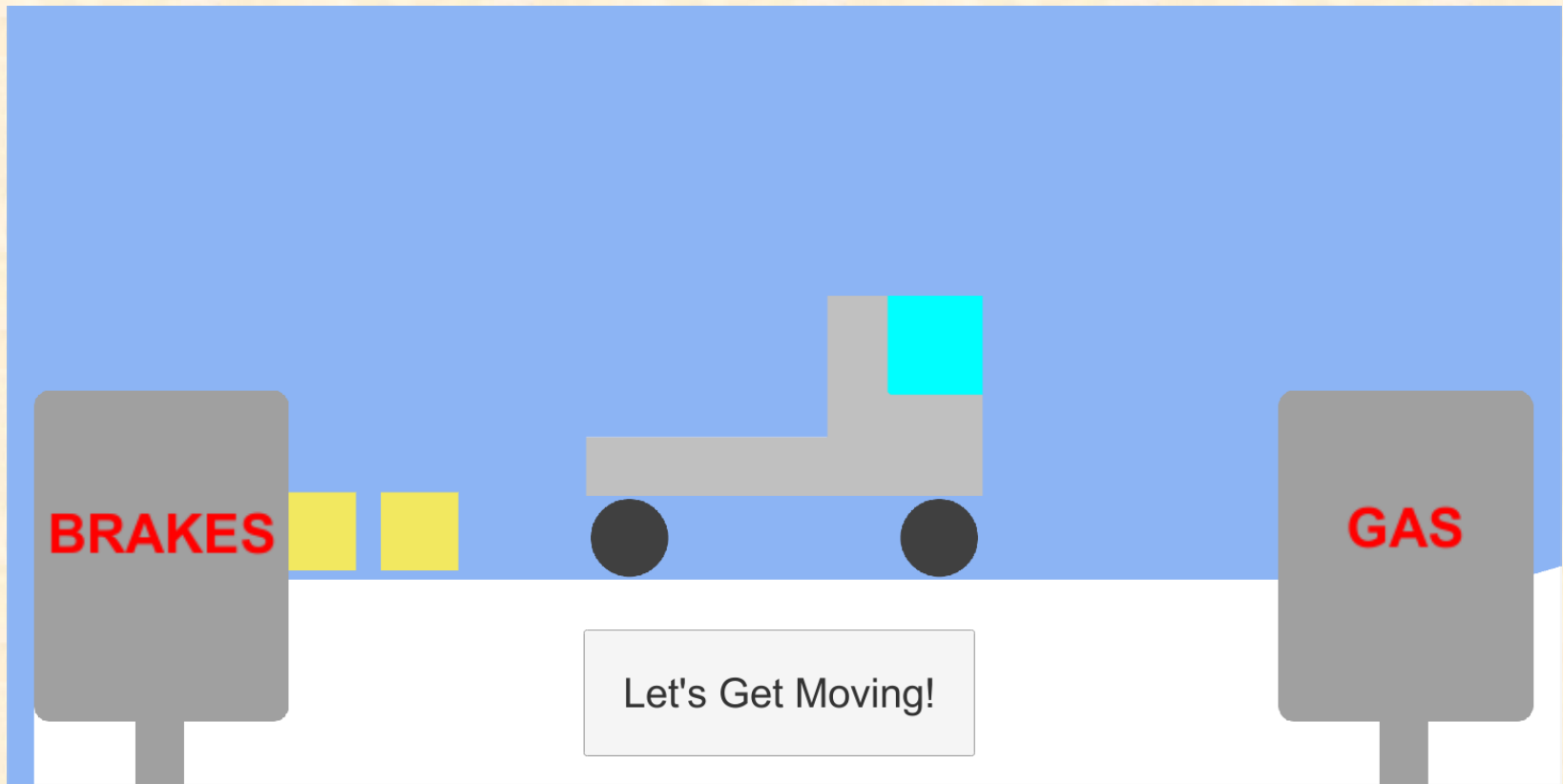
# Screen Mockup: Main Menu Screen



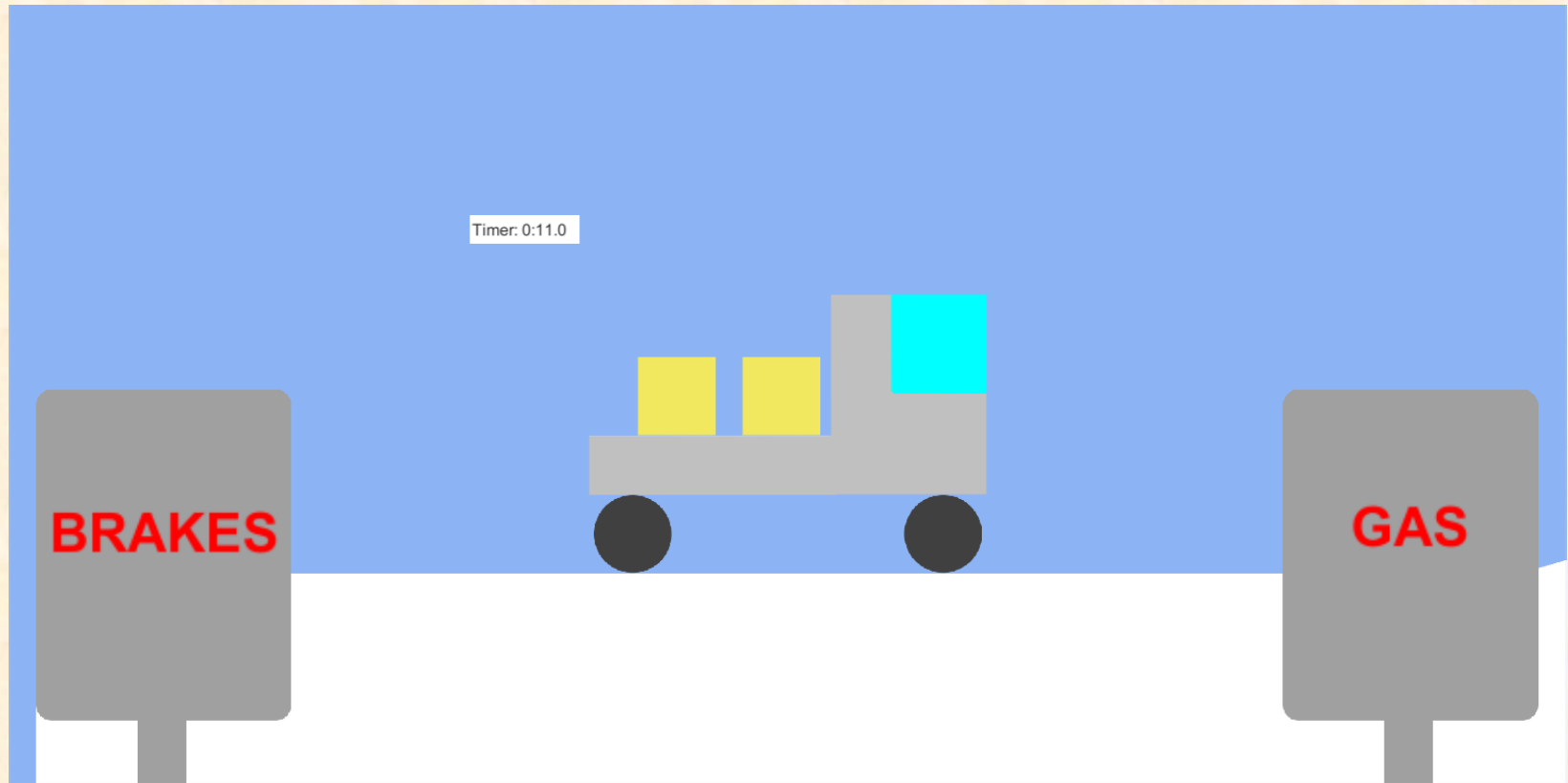
# Screen Mockup: Level Overview



# Screen Mockup: Placement Phase



# Screen Mockup: Driving Phase

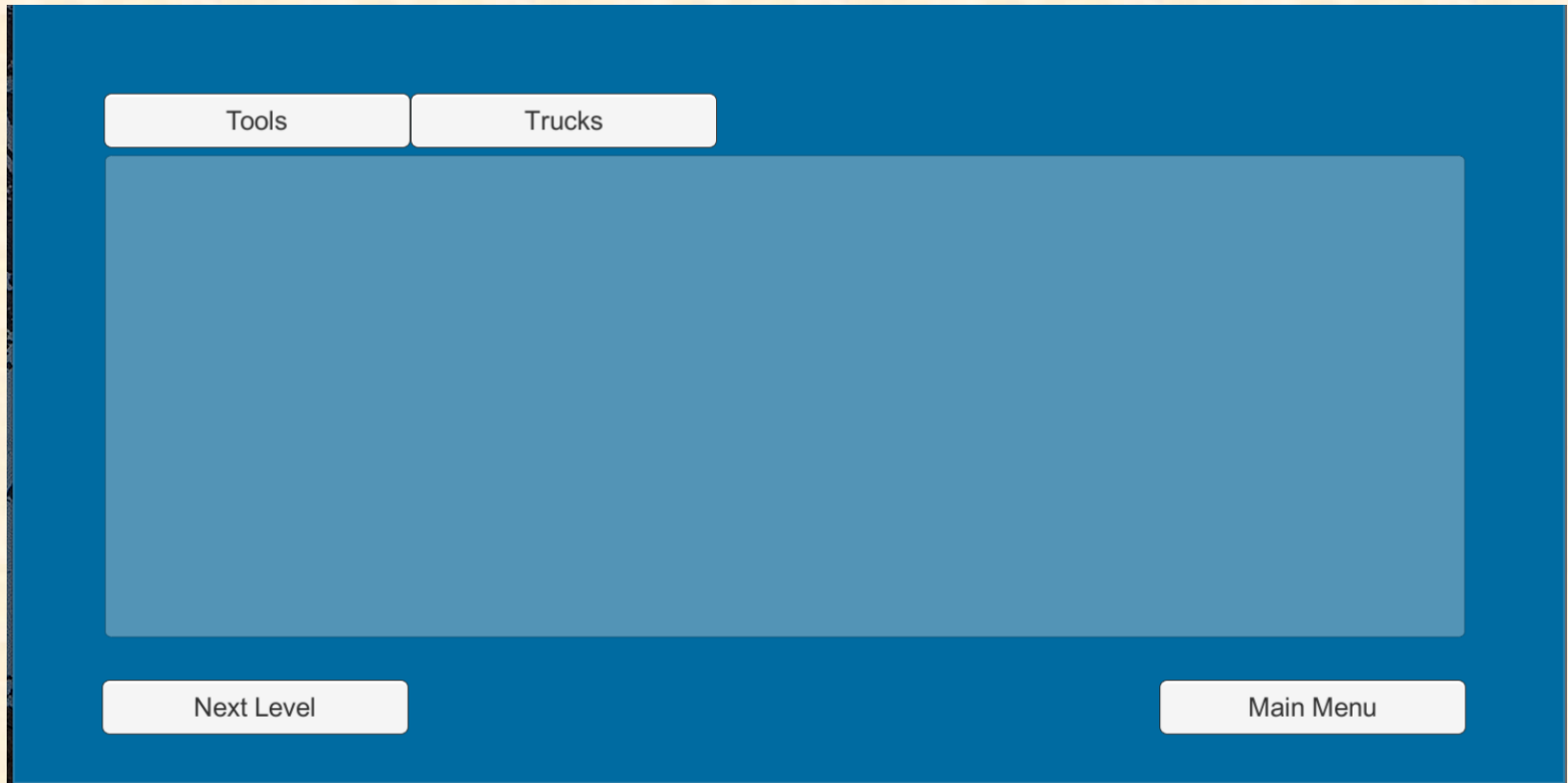




# Screen Mockup: Results Screen



# Screen Mockup: Store UI Template



# Technical Specifications

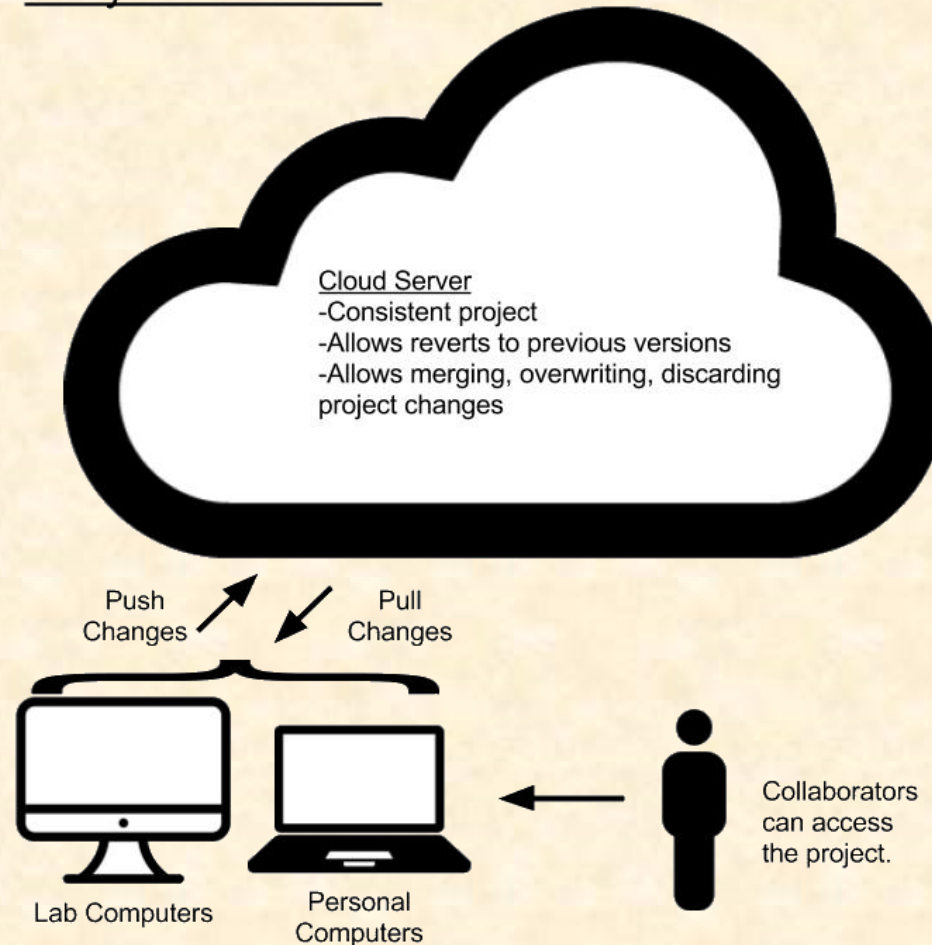
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- Game built on Unity
  - Unity C# scripting
  - Facebook API
  - Directly port to Android
  - Port through XCode for iOS
- Unity Collaborate for version control



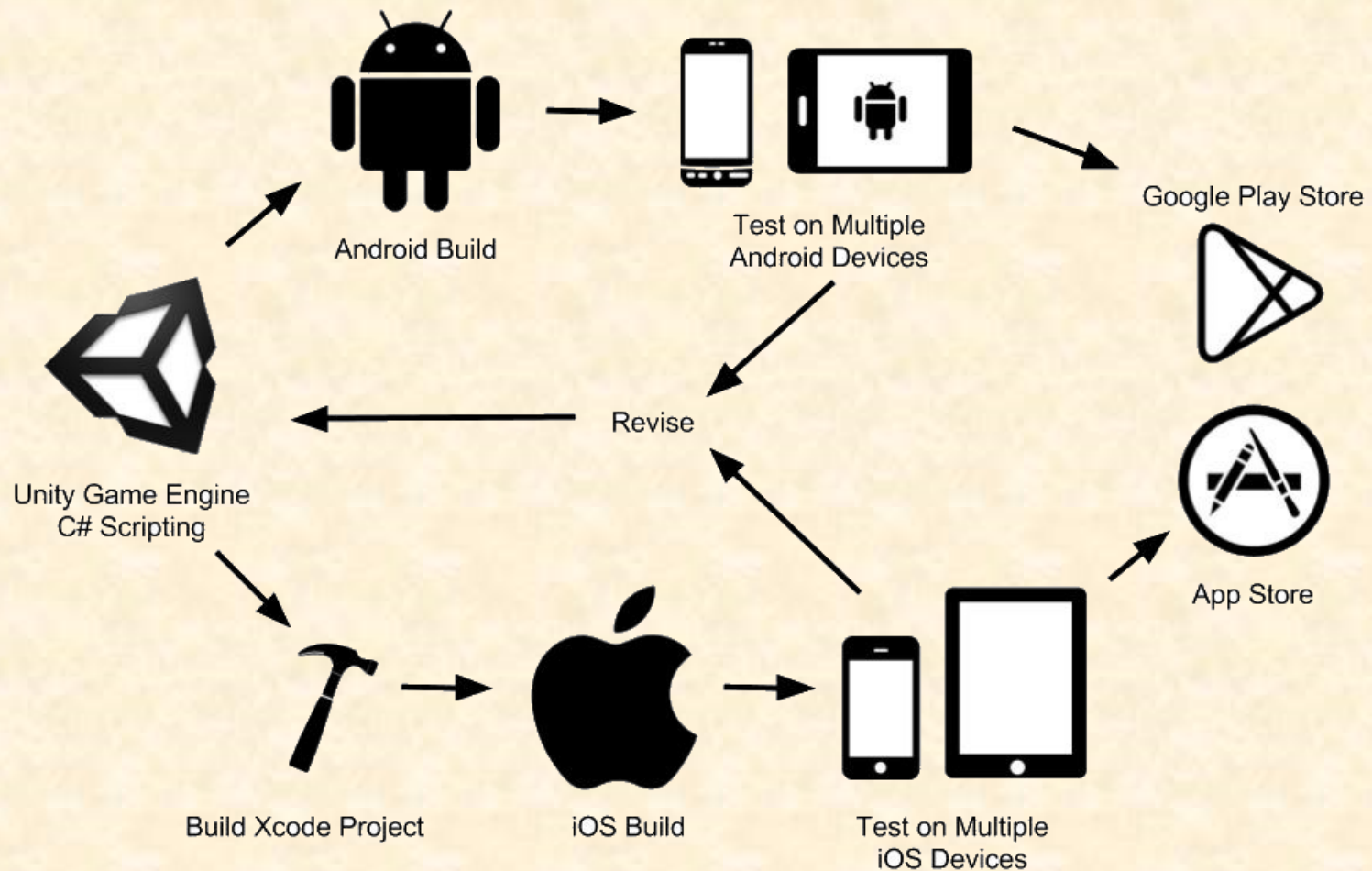
# System Architecture

## Unity Collaborate:



# Deployment Process

## Deployment:



# System Components

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- Hardware Platforms
  - Android devices
  - iOS devices
- Software Platforms / Technologies
  - Unity game engine
  - XCode for iOS port



# Testing

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- Distribute to target audience
  - Make adjustments as necessary
- Receive feedback from game dev students
- Test on personal Android and iOS devices



# Risks

- Gameplay testing
  - Need to know if the game is enjoyable by target audience
  - Have game tested by target audience (young children)
- Social networking service integration
  - Leaderboards associated with social network sites (stretch goal)
  - Research Unity documentation for linking Unity with social networks
- Assets
  - Need art and audio assets, no members are artists/audio majors
  - Unity asset store, outsourcing, TMT marketing department
- Consistency across different devices
  - Same proportional size for all screens
  - Test on variety of devices





# Questions?

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