

Hot Air

Team 9

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CONCEPT

- Free to play mobile game
 - Endless side scroller
 - Easy to understand, enjoyable
 - Earn in game rewards
 - Swipe balloon to avoid obstacles
 - Available on apple store and google play store
- Revenue
 - Profit from advertising
 - Mobile game market
 - Revenue around 300 billion

CONCEPT IMAGES

NOTE: Images are not representative of final product, and assets for concepts have not yet been licensed as final artwork and art direction isn't completed.

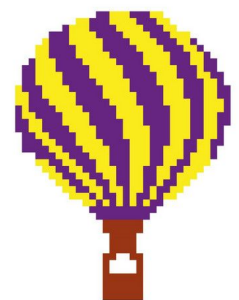
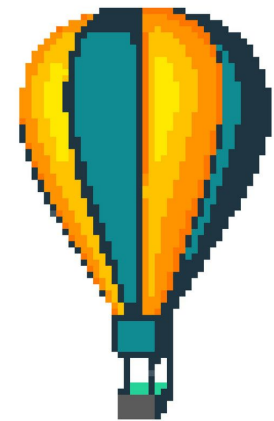
No Obstacles



With Some Obstacles



Possible Balloon Customization Options



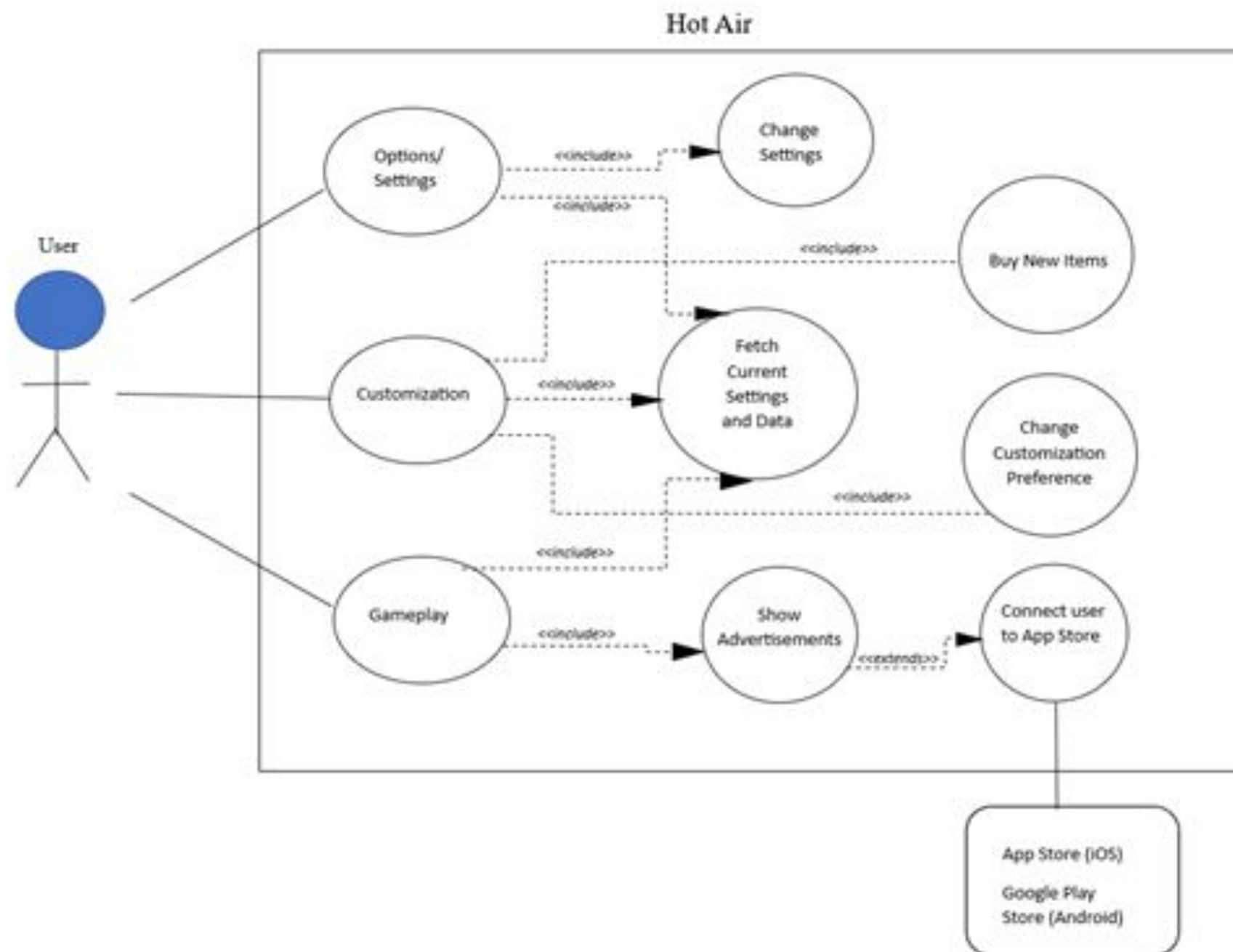
FUNCTIONAL REQUIREMENTS

- Welcome Screen
 - The user can view the welcome screen and choose where to go next
- Settings
 - User can change the settings of the app to what they prefer
- Customization
 - The user can customize the balloon and the background on this screen
- Purchase for no Advertisements
 - The user will be able to purchase no ads \$0.99
- Gameplay
 - The user will be able to play the game
- Advertisement banner
 - Advertisement banner at bottom of the screen cycle through advertisements

NON-FUNCTIONAL REQUIREMENTS

- Welcome screen load time
 - App should open and load welcome screen in a couple seconds
- Play game load time
 - The user should be able to load quickly into the game after hitting the play button
- Advertisement banner load time
 - Upon tapping the ad banner the app should immediately begin the linking process
- Customization options efficiency
 - Customization options should be easily loaded and logically stored so that the user can view, equip or buy the customization options
- Secure purchases
 - The user should be able to make in app purchases through a secure line

USE CASES AND USE CASE DIAGRAM



SYSTEM CONSTRAINTS

- Tools
 - Game Engine & UI
 - Unity
 - Backend
 - Firebase
- Languages
 - C#
 - Java
- Platforms
 - Android
 - IOS
- Hardware
 - Defined by the App Store
- Network
 - Internet Connection Necessary, not Required
- Deployment
 - Google Play Store
 - Apple Store
- Transition & Support
 - Team's First & Final Project
- Budget & Schedule
 - Deadline: May 3rd, 2023

Compatibility for your active devices *

ONEPLUS A3010

Version

5.0.2

Compatibility

Works on your device

Download Size

100 MB

Requires

Android 5.1 and up

* How this app works on your device

This section shows you whether this app works on your devices. You'll only see devices that are linked to your Google Account and that have been active in the last 30 days.

EVOLUTIONARY FUNCTIONAL REQUIREMENTS

- Restore Purchases
 - Maintain what was bought on new devices.
- Intrusive Advertisements
 - More direct advertising, line between enjoyment & frustration
- Random Chance Cosmetics
 - Combine with intrusive ads to get consistency
- Credits Box
 - Version info & contact info



EVOLUTIONARY NON-FUNCTIONAL REQUIREMENTS

- (Previous) Purchase Authentication
 - Use Google/Apple accounts to verify
- Game Size
 - Keep in the low tens of megabytes

