



PROBLEM AND USERS

Group 23 - Alex, Jack, Luke, and Reid

Overview

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Project Overview

Turn Board Wargame into Virtual Format

Meet AFROTC Training Objective 10.1-3
cheaply

GameMaker Language and Springboot

Frontend web framework and Java backend



Problem Statement

"Current Wargaming training resources for cadets enrolled in AFROTC programs are expensive, physical, and overly complicated."

Why is this an issue?

- HQ AFROTC Objective 10
- Unequal Detachment Funding
- Unequal Training Value

C/Stressed

- Reece is a full-time student, as well as in a high-ranking student leadership position within the Air Force ROTC.
- Reece's detachment needs to familiarize cadets with Agile Combat Employment strategy and wants a fun and efficient way to get the core concepts across.
- With his full schedule, he doesn't have time to spend hours learning and explaining the complex rules for the various strategy games that currently exists and needs a user-friendly application that can guide cadets through the rules and help them focus on learning strategy.

C/Outgoing

- C/Outgoing joined ROTC with the encouragement of their family.
- They have been a big part in increasing the visible morale of their ROTC class and take every opportunity to participate and lead within the organization.
- They attend extra study session for their academic classes and are out late at night playing Mario Kart with their many friends. While unorganized, they make up for any shortcoming by enthusiastically following direction and contributing.

C/Reserved

- C/Reserved mostly joined AFROTC to be able to do cool things and not necessarily meet cool people.
- They are very introverted, and not outgoing. This means that they might have trouble asking for help, but as a consequence have developed moderate problem-solving skills.
- C/Reserved enjoys activities and games that don't require a huge learning curve or cooperation, but are okay with pretty much everything.

User Needs

Efficient Material

"I have a busy life. Spending thirty hours learning a system in order to teach a two hour lesson is ridiculous. I need my time to be respected."

Flexibility

"My laptop is being fixed right now and I'm the one who needs to be presenting our strategy. I need to have other ways to access the data."

Easy Usage

"I came to school to train to become an Officer and not play video games. I need this to be easy for me to use so I can learn the concepts."

Distribution

"The people at that other detachment have a really cool software. I need to be able to tactically acquire it and pass it on to my cadets quickly."

Handholding

"I get stressed and forget all the little details. I need to have a way to remind myself so I make effective decisions."

Recap

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