



# Project Rob

Jerry Cai, Nick Clark, Kaden Gilbert,  
Gavin Sloan, Nova Solarz

# What are we doing?

- Creating a 2D roleplay video game with a GUI, multiple “levels,” items, enemies, background music, and a final boss.
  - Based off the original Legend of Zelda video game
- Using the incremental software development life cycle
  - Combines aspects of Waterfall and Agile



# The Peeps



# Team Lead – Kaden

- Created GitHub repository and Kanban project
- Completed Executive Summary, Timeline, etc.
- Coordinated with other team members to track progress



# Code Lead – Gavin

- Led the game's implementation
- Coordinated with other team members to update them on the development process



# Design Lead – Nick

- Created data flow diagram, problem frames, and UML diagram
- Generated ideas relevant to the game's plot, design, aesthetics, and features
- Coordinated with other team members to make sure the game's design matches what is being implemented



# Documentation Lead – Nova

- Updated the physical documentation and repository as the project progressed
- Assisted with coding and created background music
- Coordinated with other team members to update them on the game's development

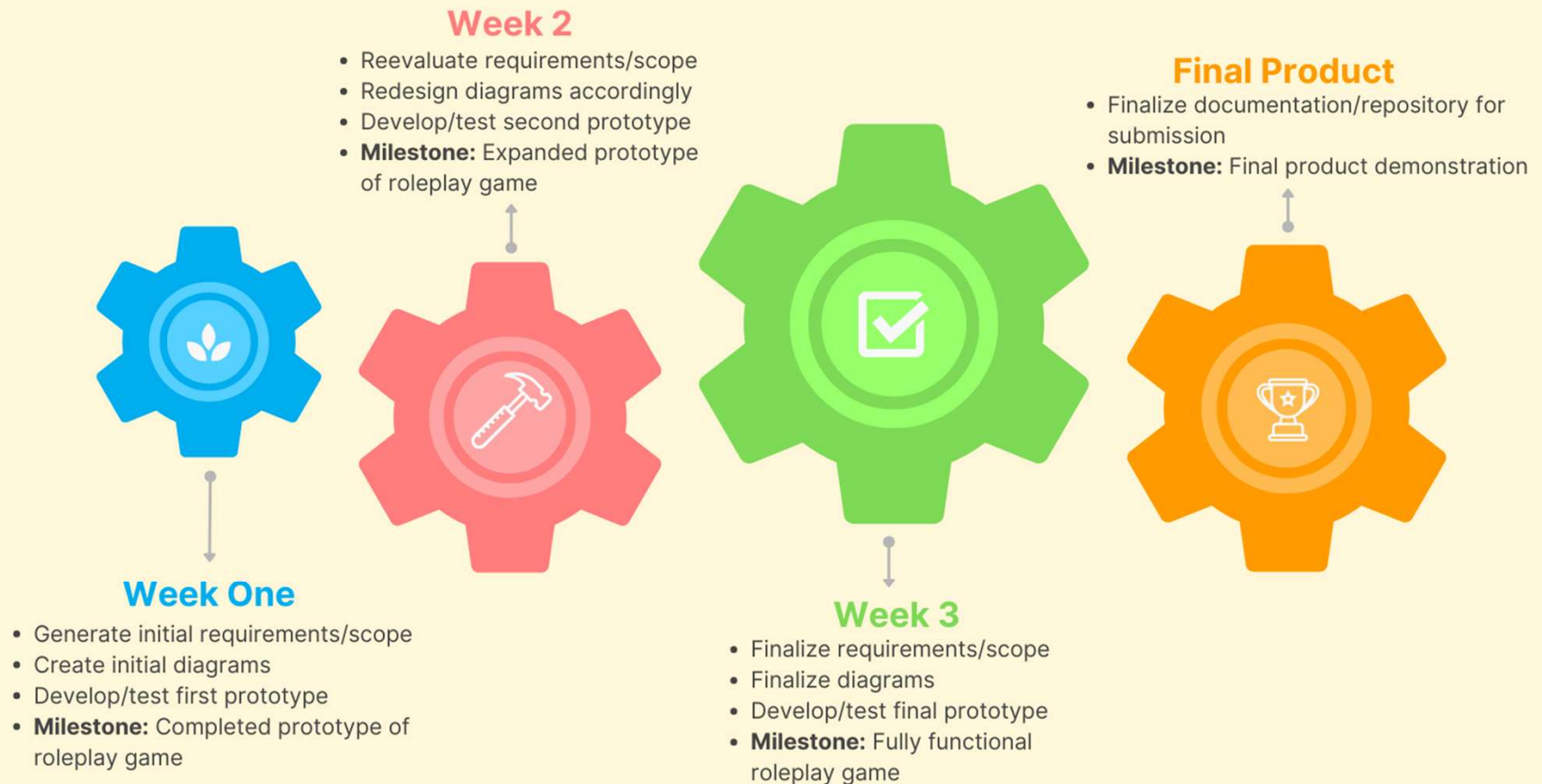


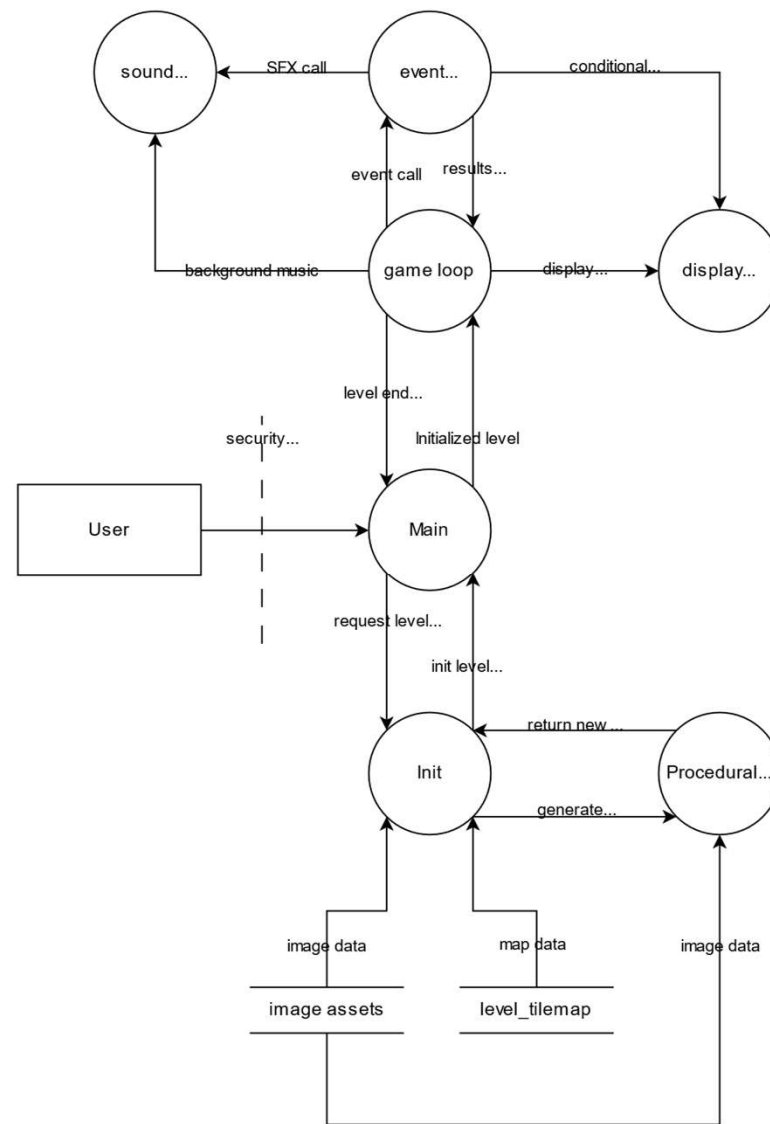
# Security Lead – Jerry

- Completed testing on game elements and code
- Coordinated with Code Lead and Documentation Lead to make sure game components function properly

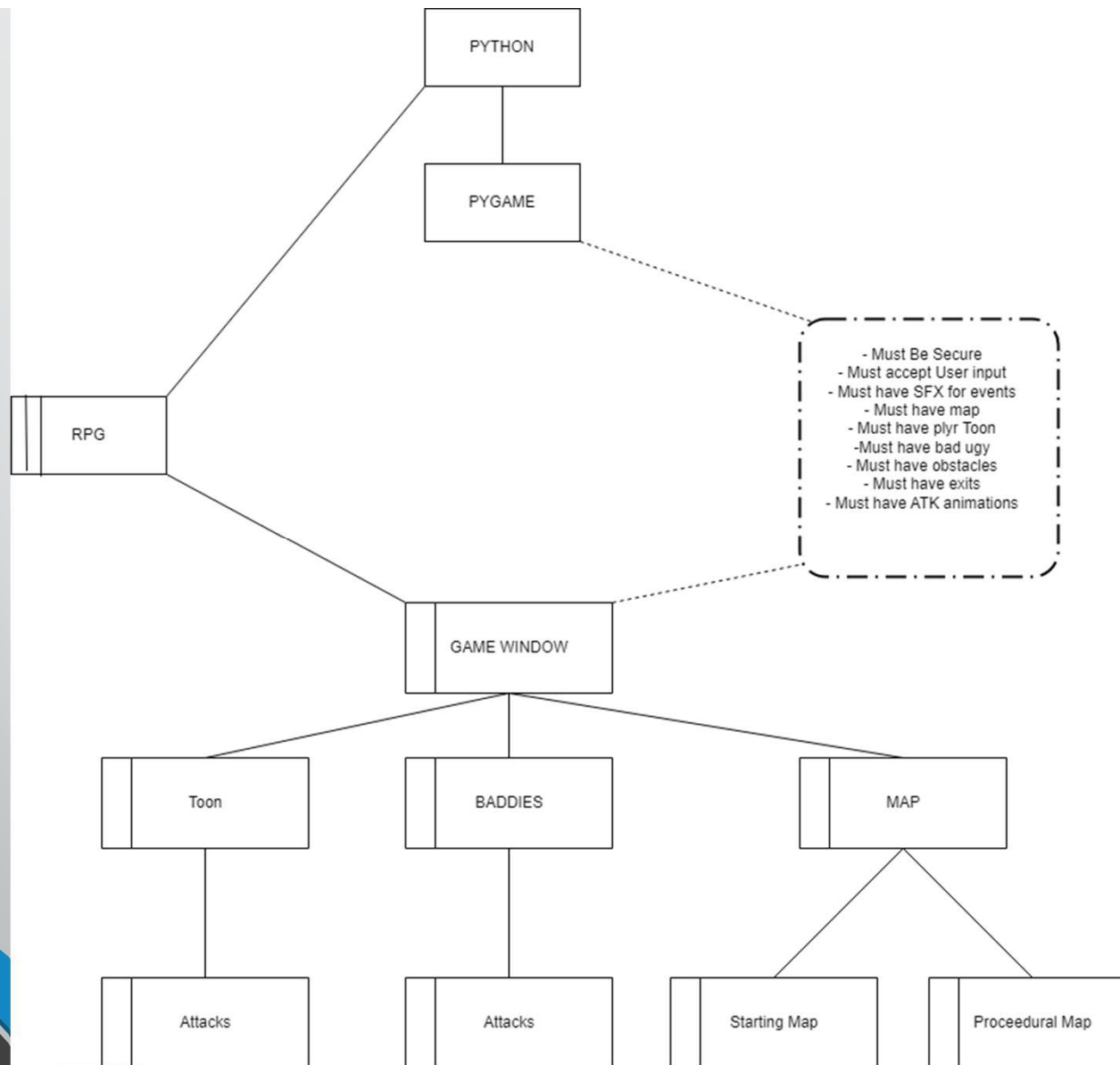


# Roleplay Game Project Timeline

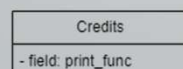
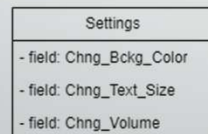
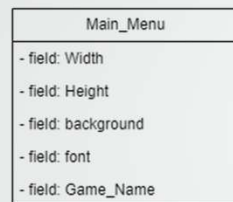
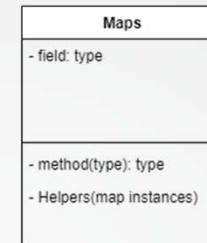
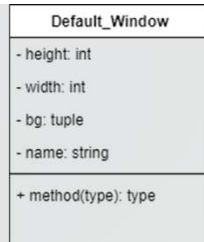




# Data Flow Diagram



# Problem Frames



# UML Diagrams

# Security/Testing

- Make sure we use private variables so outsiders can't access code
- Make sure we validate input so we get the correct input into whatever we need
- Make sure GUI syncs with the main code so there isn't any delay or lag between the two
- Make sure to have error checking ex: `__private_variable = -1;`
- Try and use try and catch exceptions to remove those pesky exceptions

# Demo Time!

