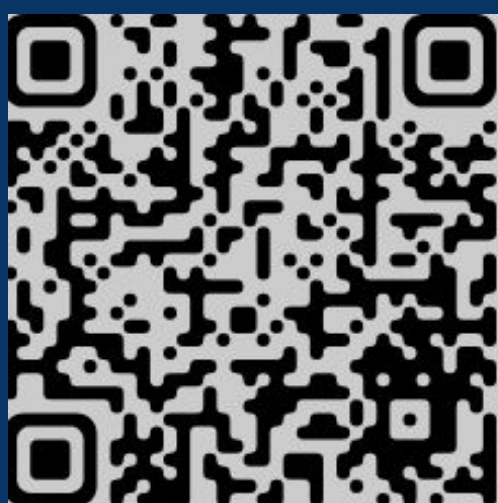


Peak Adventure Experiences: Virtual Flagstaff



Team: Alonso Garcia, Jack Morris, Makaela Crookes, Yahir Espinoza
Client: Padraic “Paddy” McGarry **Team Mentor:** Ogonna Eli

Motivation

In 2024, nearly 70% of Americans reported regrets about their relocation decisions, with 21% seeking a change in lifestyle and 18% pursuing a better quality of life. Padraic “Paddy” McGarry is the owner and CEO of The Scouting Party, a startup aimed at providing guided and curated tours that make it easier for people to move with confidence and feel like they fit in.

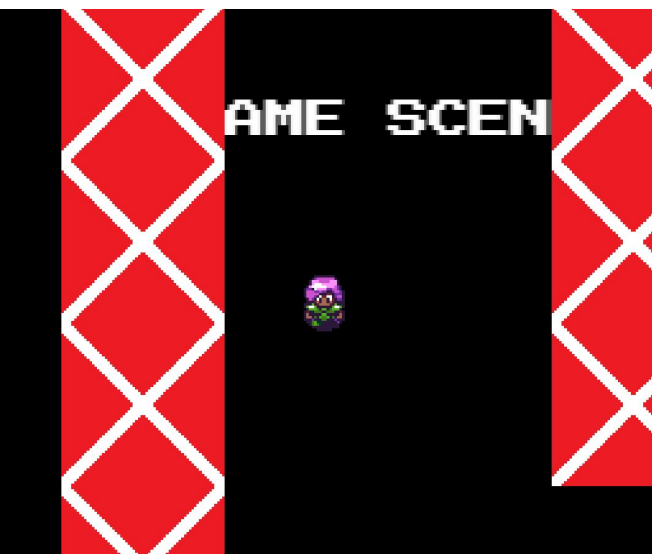


The Scouting Party wants to provide more options for those who may not be available for in-person tours. They intend to solve this problem with the Virtual Flagstaff project as an opportunity to provide a digital alternative that can also drive new clients to The Scouting Party.

Current Status

Developing prototypes for:

- Start/sign-up screen
- Gameplay
 - Movement/Camera
 - Collision
- Database integration
- API integration



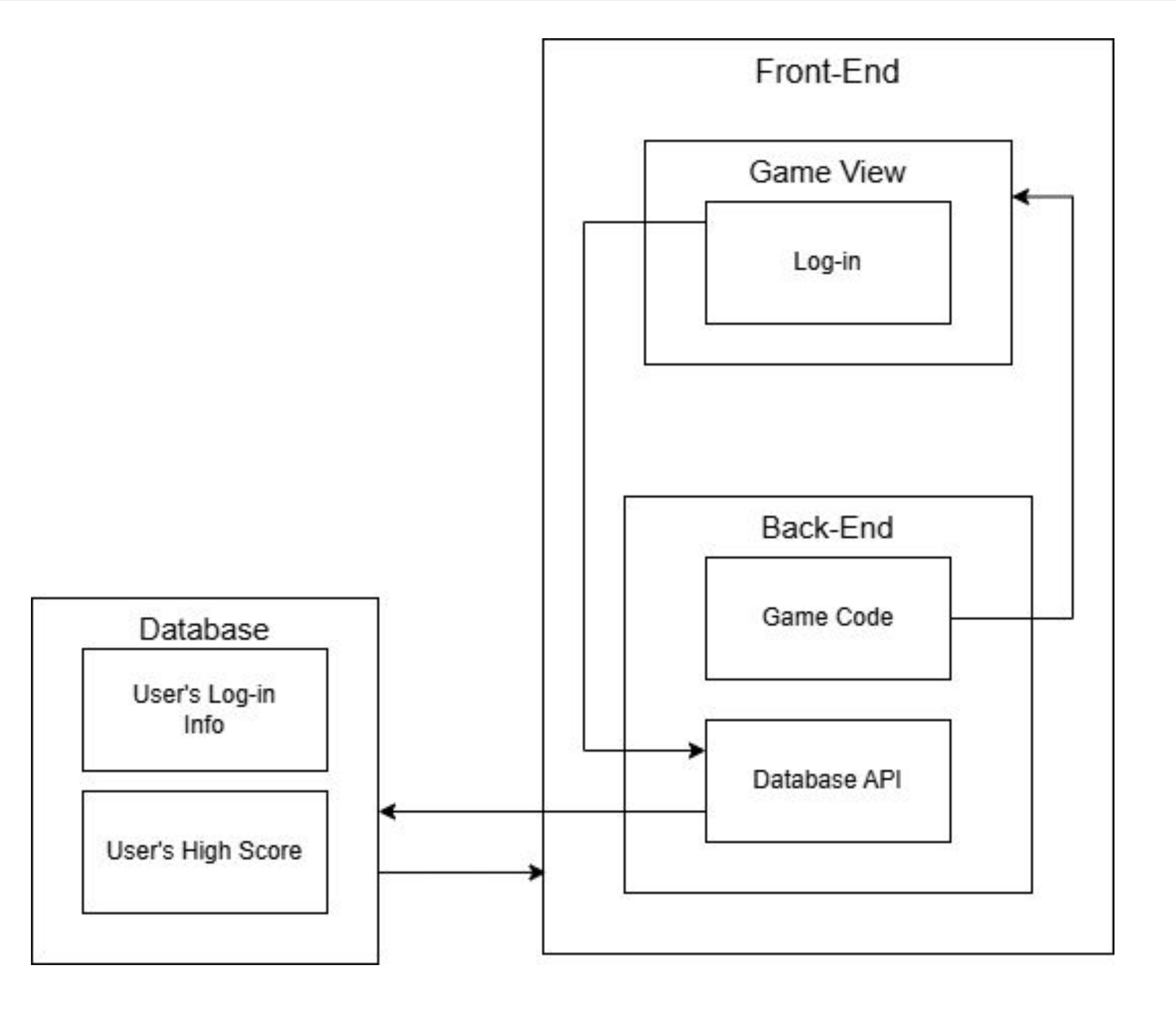
Outcomes

- Game design prototypes
- User-interface prototypes
- Player feedback to ensure system appeals to users

Prototyping helps determine if Client’s goals are being met.

- Deployment allows:
 - Better user-engagement
 - Customer data acquisition
 - Confidence for prospective residents

Architecture



Key Features

- Optional Sign-up**
Allows users to play as guests or log-in
- Non Playable Characters**
Distribute quests/offer interesting information
- Mini Games**
Maintains player interest and offers activity experiences
- Movement/Camera**
Facilitates intuitive movement and a camera with smooth tracking
- Map/Navigation**
Drive exploration of Flagstaff features

- Quests**
Encourage players to explore and interact
- Saved Progress**
Enables users to pick up gameplay where they left off
- Smooth Gameplay**
Provide users smooth gameplay with little to no hitches
- Collision**
Ensures in-game characters interact realistically with their environment
- Weather**
Demonstrate Flagstaff weather patterns

Technologies & Feasibility

Front-end

- JavaScript web framework
- Responsive for user engagement

Back-end

- Python web framework
- Fast and scalable for real-time data

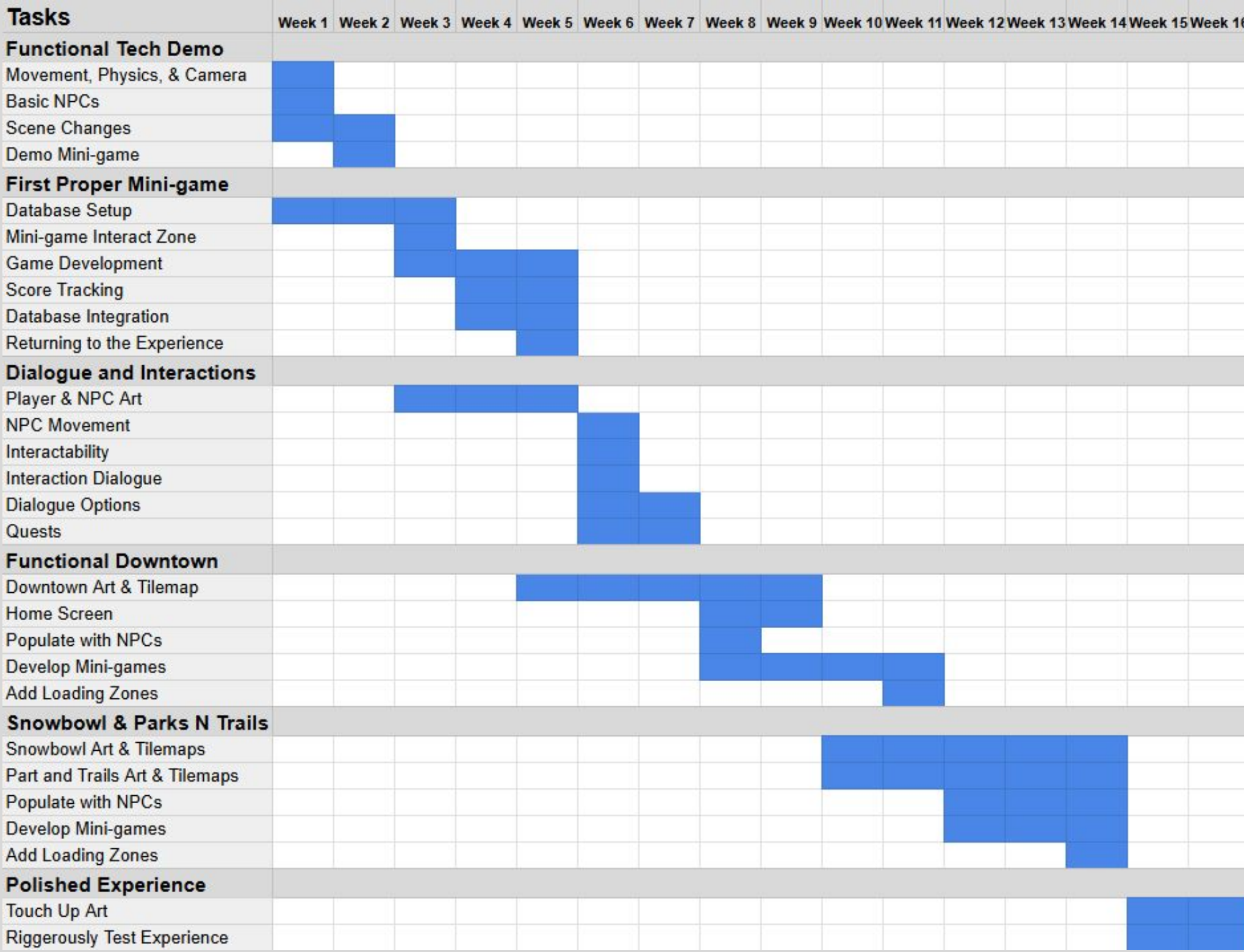
Database

- Relational database
- Scalable and SQL capabilities for security/data integrity

Game Design

- JavaScript game framework
- Versatile and responsive for creating interactable gameplay

Future work



Contact Us!

Our Sponsor: paddy@scoutingparty.com
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Team Website: <https://shorturl.at/nP5jr>