# Proposal

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## Project Overview

## Project Scope/Time Constraints

* 30 Hours of development time, not all features can be fully implemented
* Likely Not all Features will be implemented
* Higher Risks of Bugs

## Project Requirements (Languages)

* What I used why I chose that language Specifically
* What were my Options
* What’s the front end language and what its for
* What Libraries did I use and their functionalities

## Functional Requirements

* Functional Requirements are essential operations and user interactions which must be developed.
* Signup/Login System
* Navigation System (Frontend)
* Email/Password Verification
* Role type: VIP/Regular User
* Account Settings
* Logout
* Profile
* Password Confirmation and Reset
* Two Factor Authentication
* **SCENARIO SPECIFICS**

## Non-functional Requirements

* Non-functional requirements are the concepts considered to ensure the quality and maintenance of the solution.
* The security of the database, due to strict legal requirements the security of personal data is essential
* Password Hashing, a final protection again a data breach to prevent access to accounts illegally.
* Maintainability and scalability – Due to Time constraints making the website maintainable and scalable is important for future development and collaboration.
* Authentication
* Reliability – Ensure the website is accessible and reliable when in use to prevent issues with user experience.

## Project Risks

### Cybersecurity

* Security Threats
* SQL Injection Attack
* Malware: Spyware, Keyloggers, Trojans
* Data breach
* Bugs
* Important to test bugs because of the time constraints

### UI/User Experience

* Poor Implementation of UI can make user experience much worse
* Inconsistent UI Implementation
* Accessibility – User Experience (Also a Legal Requirement)

## Key Performance Indicators

* A variety of statistics that need to be tracked and analysed throughout development to see how well the solution is performing. These statistics can be measured in a variety of ways including:
  + Gross Income – Month to Month or Years
  + Current Active Accounts
  + Average New Users (Per Day/Week)
  + Load Times
  + Amount of sales
  + Technical Performance (Preventing 404 errors etc)
  + Customer Satisfaction (Feedback)

## User Acceptance Criteria

* The user acceptance criteria ensures that the end users including new users and administrators feel like the website is complete and up to standard.
* The user interface and User Experience must be considered to back up this.
* Developing the Core features of the solution.

e.g. Riget Zoo asked for a loyalty system and booking system.

The Layout should be completed and consistent to be considered complete. The design should be flawless with no significant differences.

Making sure you Accommodate the website to the task objective.