RTS Analyzer: Project Portfolio

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## Functional Requirements

* Analyze replays from user’s computer.
  + Determine build order
  + Determine win rates based on races
  + Determine win rates of build ‘A’ vs build ‘B’
* Analyze replays from professional tournaments
  + Determine build order
  + Determine win rates based on races
  + Determine win rates of build ‘A’ vs build ‘B’
* Import and display build order to live game.

## Non-Functional Requirements

Summary: *These requirements do not pertain to specific behaviors or functionalities of the application but rather to its overall attributes and characteristics.*

##### Performance and Responsiveness

* The application should be capable of processing and displaying data with minimal latency.
* It should handle high volumes of concurrent users and data requests efficiently.

##### Scalability

* The system should be scalable to accommodate a growing number of users and an increasing amount of data.

##### Reliability and Availability

* The application should have high uptime, with minimal downtime for maintenance or updates.
* It should be reliable in delivering accurate and consistent analytics data.

##### Security

* Strong measures for data security, including encryption of sensitive data and secure handling of user information.
* Implementation of proper authentication and authorization mechanisms to protect user accounts and data.

##### Maintainability and Modularity

* The codebase should be well-organized and documented for ease of maintenance and updates.

##### Usability and Accessibility

* The user interface should be intuitive and user-friendly, catering to both novice and experienced gamers.
* The application should be accessible to users with disabilities, complying with relevant accessibility standards.

##### Data Integrity and Backup

* Regular backups and secure storage of data to prevent loss.

##### Disaster Recovery

* A robust disaster recovery plan to minimize data loss and downtime in case of system failure or other catastrophic events.

##### Compliance and Legal Requirements

* Adherence to legal and regulatory requirements, such as data protection laws (e.g., GDPR, if applicable).