

## Functional Requirements

1. **Data Collection:** Gather and process player data from Steam profiles for analysis.
2. **Prediction Model:** Use a machine learning model to predict professional traits and SAT results.
3. **API Access:** Provide a REST API for users to submit data and retrieve predictions.
4. **Data Pipeline:** Process data in real time and store results in the database.
5. **Security:** Implement secure authentication and protect user data.

## Non-Functional Requirements

1. **Performance:** Handle large data quickly, with minimal delay in predictions.
2. **Scalability:** Support more users and data without slowing down.
3. **Reliability:** Ensure consistent accuracy and minimal downtime.
4. **Security:** Protect data with encryption and secure protocols.
5. **Usability:** Make the interface easy to use and predictions easy to understand.
6. **Maintainability:** Ensure easy updates with good documentation.
7. **Compatibility:** Work smoothly with Steam and other external systems.
8. **Compliance:** Follow data privacy laws like GDPR.