**QA World Cup:**

**Problem type: Designing Test Approach**

**Test Strategy**

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**Introduction**The aim of this document is to outline the high-level test approach for the migration of the National Rail Booking (NRB) platform to Azure and its launch with new UI and features while retaining all user data. The document will also cover the testing types, testing model, and key performance indicators (KPIs) that should be measured to ensure the quality of the project.

**Testing Types**

The following testing types will be carried out during the migration and launch of the NRB platform:

**Functional Testing**: This type of testing will focus on testing the functionality of the platform, ensuring that all features are working as intended.

**Usability Testing**: This type of testing will ensure that the new UI is user-friendly and easy to navigate.

**Performance Testing**: Performance testing will be carried out to ensure that the platform can handle a load of 1 lakh concurrent users.

**Compatibility Testing**: Compatibility testing will be carried out on both Android and iOS devices to ensure that the native mobile applications are supported on both platforms.

**Security Testing**: Security testing will be carried out to ensure that the platform is secure from any unauthorized access or data breaches.

**Integration Testing**: Integration testing will be carried out to ensure that all components of the platform are integrated correctly.

**Testing Model**

The testing model selected for this project is Agile. Agile methodology will enable us to test each feature incrementally, ensuring that each feature is thoroughly tested before moving on to the next. This model will also allow us to adapt to changes as they occur, ensuring that the testing process is efficient and effective.

**KPIs for Quality of the Project The following KPIs will be measured to ensure the quality of the NRB platform:**

**User Satisfaction**: User satisfaction will be measured through feedback received from users after the launch of the platform.

**Platform Stability**: Platform stability will be measured through the number of issues reported after the launch of the platform.

**Response Time**: Response time will be measured to ensure that the platform is responding quickly to user requests.

**Security**: Security will be measured through the number of security issues reported after the launch of the platform.

**Performance**: Performance will be measured through the number of concurrent users the platform can handle.

**Conclusion**  
In conclusion, the migration of the NRB platform to Azure and its launch with new UI and features will require thorough testing. The testing types, testing model, and KPIs outlined in this document will ensure that the platform is thoroughly tested, ensuring that it is user-friendly, secure, stable, and can handle the expected load. The testing process will follow an Agile model, ensuring that each feature is thoroughly tested before moving on to the next.