**Systems Analysis and Design**

**Phase 1 Non-Functional Requirements**

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|  | **Category** | **Description** | **Use Cases** | **Justification** |
|  | Performance and scalability | Responsive Time | All use case | The application should load in less than 1 min when the total number of users reach 100 000, all login simultaneously using the app. |
|  | Performance | Responsive Time | Transaction | Order confirmation must be sent within 2 sec of payment. |
|  | Availability and reliability | Available platform | All use case | The application should be accessible to users with 99% down time for monthly upgrades. |
|  | Implementation Details | Algorithm | All use case | The applications should display search results according to the closest location from the user. |
|  | Accessibility | User Interface | All use case | The GUI and interface should meet and adhere to the WCAG Guidelines |
|  | Recovery | Failure and repair | All use case | The application should still be able to function within a couple of hours, should there be any incident causing down time. |
|  | Legal and compliance | Documentation | All use case | All restaurants displayed on the application should be licensed and have necessary documentation to be opened. |
|  | Security | Data Collection | All use case | The application must follow the GDPR data collection. |
|  | Usability | third-party usage | All use case | The application will use third-part systems to enhance the user interface experience. |
|  | Robustness | Service quality | All use case | The system should be able to handle 50 000 000 all log in on the app simultaneously without failure |