**Project Identification**

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| --- | --- |
| **Project:** | 3Park by Team 22 |
| **Prepared By:** | Justin Rolnick, Albert Nguyen, Jeremy Yang, Lenny Ramroop, Keefe Chan |
| **Document Version:** | 0.3 |
| **Published Date:** | October 12, 2017 |

**Contributors**

*The following individuals contributed to this document.*

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| **Name** | **Title** |
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**Distribution**

*This document is distributed to all the following people.*

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**Referenced Documents**

*This document refers to the following materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version number** | **Title** | **Author** | **Date** | **Source / Location** |
| *0.1* | Project Summary | *Team 22* | *October 12, 2017* |  |
| *0.1* | Project Vision | *Team 22* | *October 12, 2017* |  |

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version Number** | **Revision Date** | **Summary of Changes** | **Modified by** |
| *0.2* | October 10, 2017 | *Additional titles/ minor fixes* | Justin Rolnick |
| *0.3* | October 11, 2017 | *Added requirement scope statements* | Jeremy Yang |
|  |  |  |  |

*[Note: It is recommended that drafts be numbered 0.1 to 0.9, and that the first approved version be numbered 1.0. Thereafter, new version numbers will depend upon changes: 1.01, 1.1, etc for minor updates, 2.0, 3.0 etc for major changes.]*

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1. **Business Context Diagram**

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| --- | --- |
| **Requirement Scope Area** | **Description** |
| Find possible parking spaces | Allows the user to locate paid and non-paid parking on city streets via mobile platform. |

|  |  |
| --- | --- |
| **External Entity** | **Description** |
| User | Interacts with platform to query details of city street parking |
| Google Maps API | Provides the platform with updated and accurate mapping within the scope area |
| Server | Backend called to retrieve data from queries by user, which provides details stored in database of all possible parking locations |
| Admin | Oversees and maintains database and any possible user problems/issues. |

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| **Information Flows** | **Description** |
| User → App | Provides the input to the application |
| App → User | Responds to the user input |
| Server → App | Returns data from queries to database |
| App → Server | Queries the database for data |
| API → App | Provides map data from Google Maps |
| App → API | Requests Google Maps for map data |
| Admin → App | Fixes issues in application |

1. **Requirements Scope Statements**

|  |  |  |
| --- | --- | --- |
| **HLR#** | **Description** | **Priority**  **(H, M, L)** |
|  | Finding free parking | H |
|  | Finding paid parking | H |
|  | Navigation | M |
| HLR04 | Available Parking times | H |
| HLR05 | Optional offline mode | L |
| HLR06 | Dynamic map listings | M |
| HLR07 | Favourites | M |
| HLR08 | History | M |
| HLR09 | Facebook/Google Login | H |
| HLR10 | Search function | H |

1. **High Level Business Requirements Sign-Off**

*The undersigned acknowledge their agreement with the contents of Version 0.1 of the* High-Level *Requirements document for Free Parking*.

*Following approval of this document, requirements changes will be governed by the project’s change management process, including impact analysis and appropriate reviews and approvals, under the general control of the Project Plan and according to company policy. Approved Change Request Documents, if present, will be attached to this Requirements Document as updates.*

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| --- | --- | --- |
| **Name** | **Project Role and**  **Functional Area** | **Date Signed** |
| Justin Rolnick | Team leader, front end developer | *October 12, 2017* |
| Albert Nguyen | Junior backend developer | *October 12, 2017* |
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| Keefe Chan | Front end Developer | *October 12, 2017* |

*\* Note: physical signatures are not required. Email approvals are acceptable and should be appended to project documents.*