**Testing Strategy Worksheet**

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| **Project Name**  Delivery Truck Algorithm Optimization | **Author**  Ronak Jung Rayamajihi |
| **Computing Environment**  Windows or Mac | **Software Type**  Application |
| **User Demographics**  Delivery company employees | **Assumptions**  Users have application experience |
| **Purpose of Test**  Optimize algorithm to ensure correctly assign packages to trucks based on their capacity to the destination and available route | **Phases of Testing**  Requirement Analysis, Test Planning, Test design, Test Environment Setup |
| **Scope of Testing**  Correct assignment of packages to trucks based on weight and volume capacity  Finding the nearest truck to the destination  Calculating the shortest path from the truck's location to the destination | **Critical Success Factors**  Accurate package assignment to trucks  Correct calculation of the shortest path  Successful handling of delivery constraints |
| **Testing Types**  Manual tests  System test – Risk based Test – Documentation Test -- User Acceptance test - | **Tester Profiles**  Kemono Onomek Kate De Leon  Click or tap here to enter text. |
| **Development/ Test Tools**  Visual Studio – MinGW C compiler  Click or tap here to enter text. | |
| **Business / Operational Concerns**  Data loss can cause lawsuits  Click or tap here to enter text.  Click or tap here to enter text. | |
| **Risks**  **Business**  Data loss or usability concerns cause customer complaints  **Data corruption might cause a problem in marketing strategy**  **Technical**  Data loss might indicate bigger problems in the project  Issues with the delivery algorithm indicating bigger problems in the system  **Project**  The goal of this project is to optimize the delivery algorithm to ensure a better services  Click or tap here to enter text. | |
| **Other**  Regular reviews and bug review meetings  Change request process for any modifications during testing  Reports of severity levels | |