**Testing Strategy**

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| **Project Name**  **TruckDelivery** | **Author**  **Team Lead** |
| **Computing Environment**  **Group member’s workstations** | **Software Type**  **Pathfinding Application** |
| **User Demographics**  **Truck drivers** | **Assumptions**  **Users have knowledge of using the application** |
| **Purpose of Test**  **Verify functionality and search for bugs** | **Phases of Testing** |
| **Scope of Testing**  **Functionality of data structures.**  **Shortest route is picked.**  **Algorithm doesn’t get “stuck”.** | **Critical Success Factors**  **Source code is functional and tested.**  **Algorithm is working efficiently.**  **Input validation working as business logic stated.** |
| **Testing Types**  **Unit tests**  **Manual tests**  **Integration tests** | **Tester Profiles**  **Group members** |
| **Development/ Test Tools**  **Visual Studio to implement the logics, Git for distribution of all project documents, Jira-Kanban board for team collaboration and MS Teams for team communication.** | |
| **Business / Operational Concerns**  **Incorrect algorithm implementation creates inefficiencies within business’s distribution network.** | |
| **Risks**  **Business**  **Technical**  **Project** | |
| **Other** | |