

# PizzaDronz Test Plan

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## Requirements

The requirements for the PizzaDronz project are outlined in the [project proposal](#). In summary, the requirements are as follows:

- The system must be able to retrieve data from the REST API, including orders, restaurants and no-fly-zones.
- The system must be able to deserialise the JSON data returned by the REST API.
- The system must be able to validate each order to check if it should be delivered or not.
- The system must be able to calculate the optimal route from a given restaurant to Appleton Tower, without entering any no-fly-zones.
- The system must be able to stitch each route together to create a single route for all orders.
- The system must be able to serialise the route and order validation results into JSON and GeoJSON formats.
- The system must be able to provide these output in three files in the resultfiles directory.
- The system should be able to complete the entire process in under 60 seconds.
- The system should be data driven and scalable to allow for further development in the future.
- The system should be well documented to allow others developers to pick up the project in the future.