This document contains an exhaustive list of requirements, grouped by the type of requirement.

Functional Requirements:

- 1. The system should be able to generate valid drone paths from a pickup point (Appleton Towers) to a drop-off point (a restaurant).
- 2. The system should be able to save information about orders that have been processed.
- 3. The system should be able to validate a set of user submitted orders.
- 4. The system should be able to establish a connection to a web-server and interact with it via HTTP.

Non functional Requirements / Measurable Attributes:

- 1. The system should gracefully handle errors without throwing exceptions and breaking the execution path.
- 2. The pathfinding should be performant (under 1s per order).
- 3. The generated paths should be close to optimal.
- 4. The connection to the web server must be SSL.
- 5. The system should be robust towards unexpected inputs.
- 6. The system should be reasonably memory efficient.