

5. Software Requirements including

5a) Functional Requirements:

- **User should be able to choose a store and make a list of products and get a best path for the products**
- **User should be able to make a list of products and get the closest store that has all the products in stock and then get a path for that store.**
- **The user should be able to add the product to their cart**
- **The user should be able to remove a product from their cart**
- **The user should be able to find the location of a particular product**
- **The system shall generate the fastest route after all the products have been added to the cart**

5b) Non-Functional Requirements

- **The software must use maps provided by the store itself**
- **The products must be added to the cart within 3 seconds**
- **The fastest route shall be generated in less than 10 seconds**
- **The software should run on web, IOS, Android**

We assume that the government doesn't have any regulations.