

# ***Pizza Roulette***

## **1.1 Functional Requirements**

- F.R.1. The system shall generate a random pizzeria for users.
- F.R.2. The system shall provide a field for users to enter a State and a city.
- F.R.3. The system shall provide a map for the randomly generated pizzeria.
- F.R.4. The system shall utilise a navigation web application for its map field.
- F.R.5. The system shall provide a list of pizzerias from the chosen city.
- F.R.6. The system shall provide the option to choose a pizzeria from the list.
- F.R.7. The system shall provide a map for the chosen pizzeria .
- F.R.8. The system shall provide navigation to the chosen pizza from the list.
- F.R.9. The system shall provide navigation to the randomly generated pizzeria.
- F.R.10. The system shall provide an option for the user to enter a starting point .
- F.R.11. The system shall begin the navigation from the starting point provided by the user.
- F.R.12. The system shall provide a colour coded road to the pizzeria.
- F.R.13. The system shall keep statistical reports for the most chosen pizzerias by the users from the list.

## **1.2 Performance Requirements**

- P.R.1. The system shall generate a pizzeria in a maximum of 0.5 seconds per user per request.
- P.R.2. The system shall allow a maximum number of 200 requests from the generator in 1 second.

## **1.3 Logical Database Requirements**

- L.Db.R.1. The database will use: integer, double, varchar, date types of information.
- L.Db.R.2. Stored information will be used for navigation and OpenStreetMaps data.

## **1.4 Software System Quality Attributes**

### **1.4.1 Safety Requirements**

- Sf.R.1. The system shall monitor all actions and events that happen within.
- Sf.R.2. The system shall analyse any malicious packets or users.
- Sf.R.3. The system shall comply with local and international laws concerning: data protection, sending and receiving data and storing data.

### **1.4.2 Security Requirements**

- Sc.R.1 The system shall comply with the European Privacy Laws.
- Sc.R.2 The system shall have a valid certificate, issued by a trusted certificate authority.

### **1.4.3 Operability Requirements**

- O.R.1. The system shall be made maintainable by periodically verifying each requirement.
- O.R.2. The system shall run an auto update protocol at all times.
- O.R.3. The system shall run the protocol without interrupting the system's main functions.