3 Functional Requirements

This section of the SRS contains all of the software requirements for the ParkFinder app. This section enables designers to design a system satisfying those requirements, and the testers to test that the system satisfies those requirements.

\*The functional requirements are organized by business events, then by viewpoints\*

**BE1** The developer wants to change or remove an expert.

VP1.1 Developer

1. The system will allow the developer to swap or remove the expert.

VP1.2 Security

1. The system will check if the swap is being made by an authorized party.

VP1.3 User

N/A

VP1.4 Geographical

N/A

VP1.5 Manager

1. The manager will be asked to give permission for the swap.

**BE2** The user wants to search for parks by amenities that are available at the parks.

VP2.1 Developer

N/A

VP2.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP2.3 User

1. The system shall give the user the option of selecting between various types of amenities.
2. Search results will be displayed, showing all parks that have the selected amenity or amenities.

VP2.4 Geographical

N/A

VP2.5 Manager

N/A

**BE3** The user wants to search for parks by activities that are available at the parks.

VP3.1 Developer

N/A

VP3.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP3.3 User

1. The system shall give the user the option of selecting between various types of activities.
2. Search results will be displayed, showing all parks that have the selected activity or activities.

VP3.4 Geographical

N/A

VP3.5 Manager

N/A

**BE4** The user wants to search for parks by rentals available at the parks.

VP4.1 Developer

N/A

VP4.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP4.3 User

1. The system shall give the user the option of selecting between various types of rentals.
2. Search results will be displayed, showing all the parks that offer the selected rental or rentals.

VP4.4 Geographical

N/A

VP4.5 Manager

N/A

BE5 The user wants to search for parks by park size.

VP5.1 Developer

N/A

VP5.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP5.3 User

i. The system shall give the user the option of selecting between various ranges of park sizes.

1. Search results will be displayed, showing all the parks that are within the selected size range or ranges.

VP5.4 Geographical

N/A

VP5.5 Manager

N/A

BE6 The user wants to search for parks by seasons where the parks are open.

VP6.1 Developer

N/A

VP6.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP6.3 User

i. The system shall give the user the option of selecting between various seasons.

1. Search results will be displayed, showing all the parks that are open on the selected season or seasons.

VP6.4 Geographical

N/A

VP6.5 Manager

N/A

BE7 The user wants to view more information about a specific park.

VP7.1 Developer

N/A

VP7.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP7.3 User

i. The system shall give the user an overview of the park. This will include the highlights and popular attributes of the park, the address, phone number, size, website, and operational dates.

ii. The system shall give the user information about all of the available amenities, activities, and rentals at the park.

iii. The system will show the current weather conditions at the park.

VP7.4 Geographical

N/A

VP7.5 Manager

N/A

BE8 The user requests to view the location or locations of a selected park or several parks.

VP8.1 Developer

N/A

VP8.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP8.3 User

i. The system shall display the location of the park or parks on a map.

VP8.4 Geographical

N/A

VP8.5 Manager

N/A

BE9 The user wants to find the nearest 5 parks to his/her location.

VP9.1 Developer

N/A

VP9.2 Security

i. The system will encrypt and then decrypt the user’s input.

ii. The system will encrypt and then decrypt the system’s output.

VP9.3 User

i. The system will display the closest 5 parks to the user’s location.

VP9.4 Geographical

i. The system will locate the user’s geographical location.

ii. The system will locate the closest 5 parks to the user’s location.

VP9.5 Manager

N/A