|  |  |
| --- | --- |
| *Use case name* | ParkSearch |
| *Participating*  *actors* | Initiated by User |
| *Flow of events* | 1. The User fills out the form by entering an address or zip code and clicking search on the Park Search page. 2. ECPAT will find locations in our parks table that are within a certain radius of a given latitude/longitude with a SQL statement that will find the closest XX locations that are within a radius of XX miles to the search coordinate. Outputting the search results into an XML format that our map API can retrieve through asynchronous JavaScript calls that are displayed on the Search Parks page in a list along with a map containing markers that represent the search results. 3. The User filters results by proximity, activities, amenities. |
| *Entry condition* | * The User is viewing the Park Search page. |
| *Exit condition* |  |
| *Quality*  *requirements* | * Avoid SQL injection |

Figure 1: Use case description for ParkSearch.

|  |  |
| --- | --- |
| *Use case name* | ParkDirections |
| *Participating*  *actors* | Initiated by User |
| *Flow of events* | 1. User clicks Get Directions button located within a park result div on the Park Search page. 2. ECPAT passes the GPS coordinates from the database to the directions API opening Google Maps Directions in a new window. 3. User will fill out directions form on the directions page. 4. Google Maps Directions site will display directions on the directions page. |
| *Entry condition* | * The User is viewing the Search Parks page. |
| *Exit condition* |  |
| *Quality*  *requirements* |  |

Figure 2: Use case description for ParkDirections.

|  |  |
| --- | --- |
| *Use case name* | ParkInfo |
| *Participating*  *actors* | Initiated by User |
| *Flow of events* | 1. ECPAT will query the database with a SQL statement for park info including park address, amenities and photos, and display these additional details on the Park Info page. |
| *Entry condition* | * User has selected the more information button located in a park result div on the Park Search page. |
| *Exit condition* |  |
| *Quality*  *requirements* |  |

Figure 3: Use case description for ParkInfo.

|  |  |
| --- | --- |
| *Use case name* | ParkComments |
| *Participating*  *actors* | Initiated by User |
| *Flow of events* | 1. Disqus app authenticates user’s identity. 2. User submits a form by typing a comment in the textbox located in the comment section on the Park Info page. |
| *Entry condition* | * The User is viewing the Park Info page. |
| *Exit condition* | * The User’s comment is displayed in the comments section on the Park Info page. |
| *Quality*  *requirements* |  |

Figure 4: Use case description for ParkComments.