**Use Case 1: Search for Activity**

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| Use Case Element | The user of the application is searching for an activity in the community for them to partake in. |
| Use Case Number | 1 |
| Application | The function relates to the search feature of the application. |
| Use Case Name | Search for Activity |
| Use Case Description | The user of the application is deciding to look into activities that are available on the community application, regardless of their current location. |
| Primary Actor | The user who is trying to search for an activity in the community to take part in. |
| Precondition | 1. The user must have access to an internet service. |
| Trigger | The user accessing the search bar in the Community application. |
| Basic Flow | 1. The user inputs an activity they are interested in into the application search bar. 2. The application sends a query request to the database. 3. The database queries its tables to find a for activities that match the inputted parameter by the user. 4. The database returns a collection of activities and organisations that host them to the application. 5. The application displays the list of activities to the user. |
| Alternate Flows | 1. The user enters their area of interest with incorrectly spelling. The application analyses the text the user entered and calculates what it believed the user meant to input. It sends a query request to the database using the calculated text and the database returns a collection of activities based on the calculated text to the application. The application displays this list to the user prefixed with the message “Is this what you meant?”. 2. The activity the user inputted does not exist or could not be found hosted by any of the organisations in the applications database. The application returns a message to the user stating that it could not find the activity they were looking for. |

Use Case: Search for Activity

Cloud Server

User

Query Tables

Send Request

Display Results

Input text to search bar

Send Collection

Return Collection

Query Request

Applications

Database