**Use Case 2: Book Ticket for Event**

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| Use Case Element | The user of the application is booking a for an event |
| Use Case Number | 3 |
| Application | The function relates to the booking feature in the application. |
| Use Case Name | Book Ticket for Event |
| Use Case Description | The user of the application is looking to book themselves a ticket for an event/activity they are interested to part take in. |
| Primary Actor | The user who is trying to book a ticket for an event/activity. |
| Precondition | 1. The user must have clicked on an activity or event link. 2. There must be an activity or event created and hosted by an organisation. |
| Trigger | The user clicking on the “book ticket” button. |
| Basic Flow | |  | | --- | | 1. The user clicks on the ‘Book Ticket’ but on an activity, they want to partake in. 2. The user selects the time and day they want to partake in the activity. 3. The application sends a query request to the database. 4. The database queries its tables. 5. The database finds a free space associated with the organisation that is hosting the activity the user wants to book. The database enters the users enters the users details into the booking slot. 6. The database returns the newly created booking record to the application. 7. The application displays a ‘Booking Confirmed’ message to the user. | | 1. No free slot related to the organisation hosing the activity could be found. The application returns a message to the user stating that the booking they wanted was not possible. | |
| Alternate Flows | |  | | --- | | 1. The user clicks on the ‘Book Ticket’ but on an activity, they want to partake in. 2. The user selects the time and day they want to partake in the activity. 3. The application sends a query request to the database. 4. The database queries its tables. 5. The database finds a free space associated with the organisation that is hosting the activity the user wants to book. The database enters the users enters the users details into the booking slot. 6. The database returns the newly created booking record to the application. 7. The application displays a ‘Booking Confirmed’ message to the user. | | 1. No free slot related to the organisation hosing the activity could be found. The application returns a message to the user stating that the booking they wanted was not possible. | |

Use Case: Search for Activity

Display Booking

Applications

Book Event

User

Send Confirmation

Return Booking

Query Request

Query Booking

Database

Cloud Server

Book Request

Select Time & Day