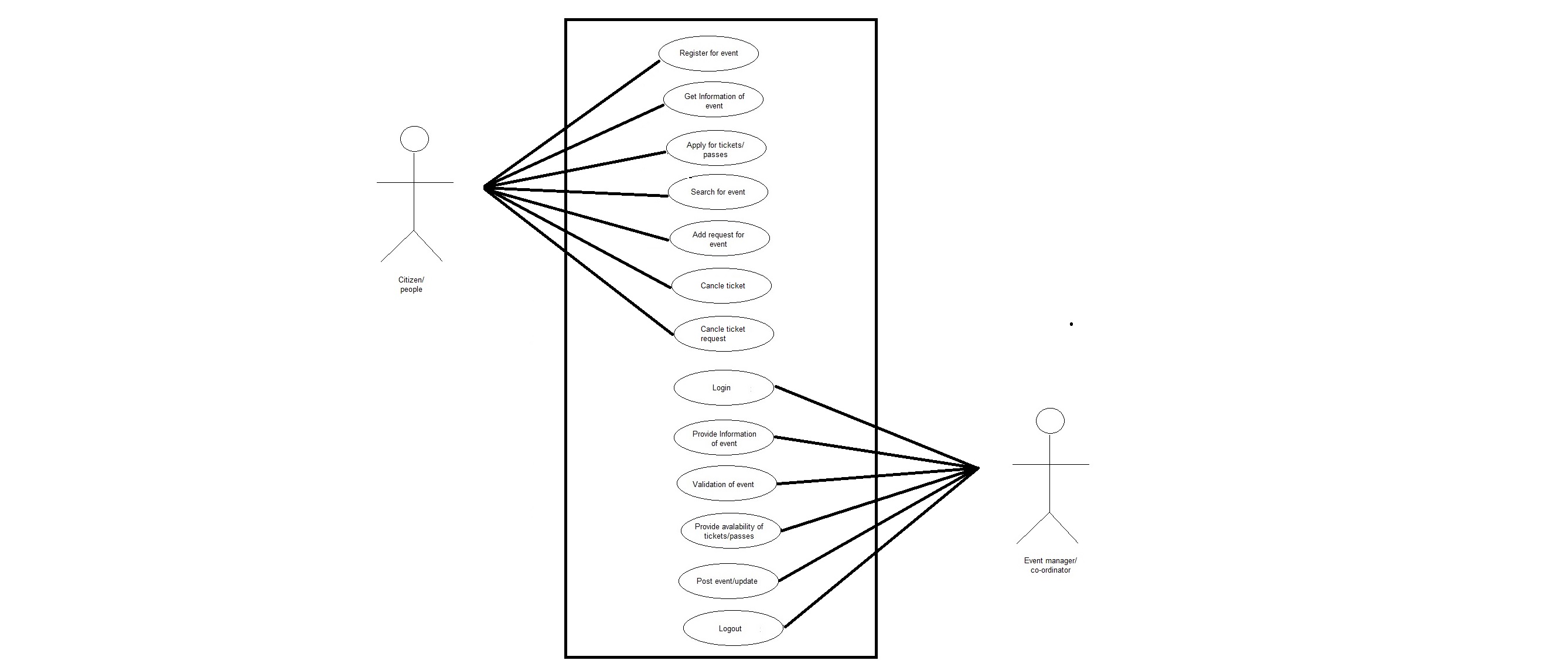
**Assignment No : 2**

**Aim :** Write Use case specification and use case diagram of Event Management System.

**Use case diagram:**



**Use case specification :**

**User side**

1. **Use case name : event\_registration**

* Actors involved: participants/citizen/people
* Use case description:

People/users/participants who are willing to participate in particular event can register for the event.

* Frequency of :
* Usage : low
* Priority : high
* Pre-condition :

People/users/participants should search for the event in which they wanted to participate.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The people who wanted to participate in particular event will search for the event**.** | 2 | System’s database show the available events. |
| 3 | Users will check the availability of seats/tickets/passes. | 4 | System will show the availability status. |
| 5 | If there is availability of the seats/tickets/passes user will register for that event. | 6 | System ask for name, address, contact info, e-mail id, etc. |
| 7 | Users will provide the details that has been asked. | 8 | System save the information in the database. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : Exit use-case.
* 4.1 : If seats/tickets/passes are not available then system show the message “Sorry registration is full”.
* 4.2 : Exit use-case.
* 6.1 System display error if contact number or mail id is not valid.
* 6.2: Exit use-case.
* 8.1 : System provide the mandatory fields which user must enter .
* 8.2 : Exit use case.
* Post condition :

User should check the notifications provided about event.

* Special condition :

Response time should not be more than 5 seconds.

1. **Use case name : event\_information**

* Actors involved: participants/citizen/people & event manager/event coordinator.
* Use case description:

People/users/participants who are willing to participate in particular event can get information about that event like event-date, venue, timings etc.

* Frequency of :
* Usage : medium
* Priority : low
* Pre-condition :

People/users/participants should search for the event in which they wanted to participate and then get information about it.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The people who wanted to participate in particular event will search for the event**.** | 2 | System’s database show the available events. |
| 3 | Users will check the information of the event in which he wanted to participate. | 4 | System will show the information of the event like date of event, venue, timings, refreshments etc. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : Exit use-case.
* 4.1 : if the information is not available then system will show the message “no information available”.
* 4.2 : exit use case.
* Post condition :

User should register for the event if he wanted to participate.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_tickets/passes**

* Actors involved: participants/citizen/people.
* Use case description:

User can apply for tickets or passes to participate in particular event.

* Frequency of :
* Usage : medium
* Priority : high
* Pre-condition :

People/users/participants must first register for the event.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The people who wanted to participate in particular event will search for the event**.** | 2 | System’s database show the available events. |
| 3 | Users will check the information of the event in which he wanted to participate. | 4 | System will show the information of the event like date of event, venue, timings, refreshments etc. |
| 5 | User should register for the event and fill the details. | 6 | System will save the information. |
| 7 | User will check the availability of the tickets and apply for it. | 8 | System will show the availability status and grant the seat if there are tickets/passes available. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : Exit use-case.
* 4.1 : if the information is not available then system will show the message “no information available”.
* 4.2 : exit use case.
* 6.1: System will show the message “database connection error”.
* 6.2 : System provide the mandatory fields which user must enter .
* 6.3 : Exit use-case.
* 7.1 : if tickets are available then user should apply for it.
* 7.2: Exit use-case.
* Post condition :

User should register for the event if he wanted to participate.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_search**

* Actors involved: participants/citizen/people.
* Use case description:

User can search the particular event in which he wanted to participate.

* Frequency of :
* Usage : low
* Priority : low
* Pre-condition :

People/users/participants must open the event management system’s portal.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The people who wanted to participate in particular event will search for the event**.** | 2 | System’s database show the available events. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : Exit use-case.
* Post condition :

User should get information about the event if he wanted to participate.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_request**

* Actors involved: participants/citizen/people/users.
* Use case description:

Users can also be manager of particular event so if they wanted to post their event on the portal then they can add event request.

* Frequency of :
* Usage : medium
* Priority : medium
* Pre-condition :

People/user should open the event management system’s portal.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The user who wanted to post their event should add event request. | 2 | System will notify the event manager that there is event request arrive. |
| 3 | User will provide full description of the event. | 4 | System will save the information in database. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 4.1 : System should display error if the information is not valid.
* 4.2 : exit use case.
* Post condition :

Manager should perform the validation of event.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_request\_cancle**

* Actors involved: participants/citizen/people/users.
* Use case description:

Users can also be manager of particular event so if they wanted to cancle the event request then they can cancle the posted event or undo the event request.

* Frequency of :
* Usage : medium
* Priority : medium
* Pre-condition :

People/user should previously made the add event request.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The user who wanted to post their event should add event request. | 2 | System will notify the event manager that there is event request arrive. |
| 3 | User will provide full description of the event. | 4 | System will save the information in database. |
| 5 | User will cancle the event request. | 6 | System will delete the entry from database and from portal. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 4.1 : System should display error if the information is not valid.
* 4.2 : Exit use case.
* 5.1 : System will display error message “database connection error”.
* 5.2 : Exit use case.
* Post condition :

Manager should check if the entry is cancled or not.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_tickets/passes\_cancle**

* Actors involved: participants/citizen/people.
* Use case description:

User can cancle the entry in particular event by cancelling the tickets or passes.

* Frequency of :
* Usage : medium
* Priority : high
* Pre-condition :

People/users/participants must first apply for the event tickets/passes.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | User will check the availability of the tickets and apply for it. | 2 | System will show the availability status and grant the seat if there are tickets/passes available. |
| 3 | User will cancle the tickets/passes. | 4 | System will clear the entry of the tickets and show the availability status again. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : Exit use-case.
* Post condition :

After cancellation of tickets system should provide there are available tickets for other users.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

**Admin side :**

1. **Use case name : event\_manager\_info**

* Actors involved: event manager/co-ordinator.
* Use case description:

Event manager/coordinator provide the information of the events that has been held.

* Frequency of :
* Usage : high
* Priority : high
* Pre-condition :

Event manager/coordinator should login into the portal.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | Event manager/coordinator login in the system’s portal. | 2 | System will validate the username and password. |
| 3 | Event manager/coordinator will post the information of the event. | 4 | System will save the information in the database. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 2.1 : System will show the message “database connection error”.
* 2.2 : System will show the error message “username or password is incorrect”.
* 2.3 : Exit use-case.
* 4.1: System will show the mandatory field which must be filled.
* 4.2: Exit use-case.
* Post condition :

Event manager/coordinator should save the entry of the users.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_request\_validation**

* Actors involved: Event manager/coordinator.
* Use case description:

Event manager/coordinator should perform validation of requests that has been made by users who wanted to promote their events on the event portal.

* Frequency of :
* Usage : medium
* Priority : medium
* Pre-condition :

People/user should made request for promoting their event.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The user who wanted to post their event should add event request. | 2 | System will notify the event manager that there is event request arrive. |
| 3 | User will provide full description of the event. | 4 | System will save the information in database. |
| 5 | Event manager/coordinator should perform validation of events. | 6 | System will post the event on the portal by saving information of valid events. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 3.1: Users must have to fill mandatory fields.
* 3.2: Exit use-case.
* 4.1 : System should display error if the information is not valid.
* 4.2 : Exit use case.
* 5.1 : System will show the message “database connection error” .
* 5.2 : Exit use case.
* Post condition :

Manager should provide detailed information about the event i.e date, timings,venue etc.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : post\_event**

* Actors involved: Event manager/coordinator.
* Use case description:

Event manager/coordinator should post the valid event on the portal

* Frequency of :
* Usage : medium
* Priority : medium
* Pre-condition :

Event manager/coordinator should perform validation of event.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The user who wanted to post their event should add event request. | 2 | System will notify the event manager that there is event request arrive. |
| 3 | Event manager/coordinator should perform validation of events. | 4 | System will post the event on the portal by saving information of valid events. |
| 5 | Event manager/coordinator should post the event on the portal. | 6 | System will save the all information and display that on the portal. |

* Alternate flow:
* 1.1 : System will show the message “internet connection error” .
* 1.2 : Exit use-case.
* 3.1: System should discard invalid events.
* 3.2: Exit use-case.
* 4.1 : System should display error if the information is not valid.
* 4.2 : Exit use case.
* 6.1 : System will show the message “database connection error” .
* 5.2 : Exit use case.
* Post condition :

Manager should save the entries of the user for event.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.

1. **Use case name : event\_provide\_tickets/passes**

* Actors involved: Event manager/coordinator.
* Use case description:

Event manager/coordinator should provide/grant tickets to the User have apply for tickets or passes to participate in particular event.

* Frequency of :
* Usage : medium
* Priority : high
* Pre-condition :

People/users/participants must first apply for the tickets/passes.

* Basic Flow :

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Participants/Users | Sr.  No. | System |
| 1 | The people who wanted to participate in particular event will search for the event**.** | 2 | System’s database show the available events. |
| 3 | Users will check the information of the event in which he wanted to participate. | 4 | System will show the information of the event like date of event, venue, timings, refreshments etc. |
| 5 | User should register for the event and fill the details. | 6 | System will save the information. |
| 7 | User will check the availability of the tickets and apply for it. | 8 | System will show the availability status and grant the seat if there are tickets/passes available. |
| 9 | If the seats are available then Event manager/coordinator will grant the tickets to the users in fifo manner | 10 | The entries of users to whom tickets/passes are granted are saved in database. |

* Alternate flow:
* 1.1: System will show the message “internet connection error” .
* 1.2: Exit use-case.
* 2.1: System will show the message “database connection error”.
* 2.2: Exit use-case.
* 4.1: if the information is not available then system will show the message “no information available”.
* 4.2: exit use case.
* 6.1: System will show the message “database connection error”.
* 6.2: System provide the mandatory fields which user must enter .
* 6.3: Exit use-case.
* 7.1: If tickets are available then user should apply for it.
* 7.2: Exit use-case.
* 9.1: If seats are not available then then system should display message “no tickets/passes are available”.
* 9.2: Exit use-case.
* Post condition :

Event manager/coordinator should save the entries of the users to whom seats are alloted.

* Special condition :

Response time should not be more than 5 seconds. Performance should be efficient.