
System Requirements Specification Index

For

Event Management

Version 1.0

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1 BUSINESS-REQUIREMENT:

1.1 PROBLEM STATEMENT:

The Event Management Application serves as a comprehensive platform for organizing and tracking the upcoming events.

Your task is to develop a system that enables users to access a home page, add new events with key details such as name, description, place, and date, and manage these entries effectively. Additionally, users should be able to edit, delete, and search for events by name or location. The system must also include a feature to view and sort past events, enhancing the user's ability to manage event schedules and historical data efficiently.

1.1.1 Event Management:

The Event Management allows you to:

1. Access home page
2. Should be able to add a new event.
3. It can have basic fields like name, description, place and eventDate.
4. Should be able to get the list of events along with options to sort in ascending and descending order in each field.
5. Should be able to edit and delete any event.
6. Should be able to search for any event by event name or place.
7. Should be able to view past events along with options to sort in ascending and descending order in each field.

2. TEMPLATE CODE STRUCTURE:

2.1 EVENT CONTROLLER

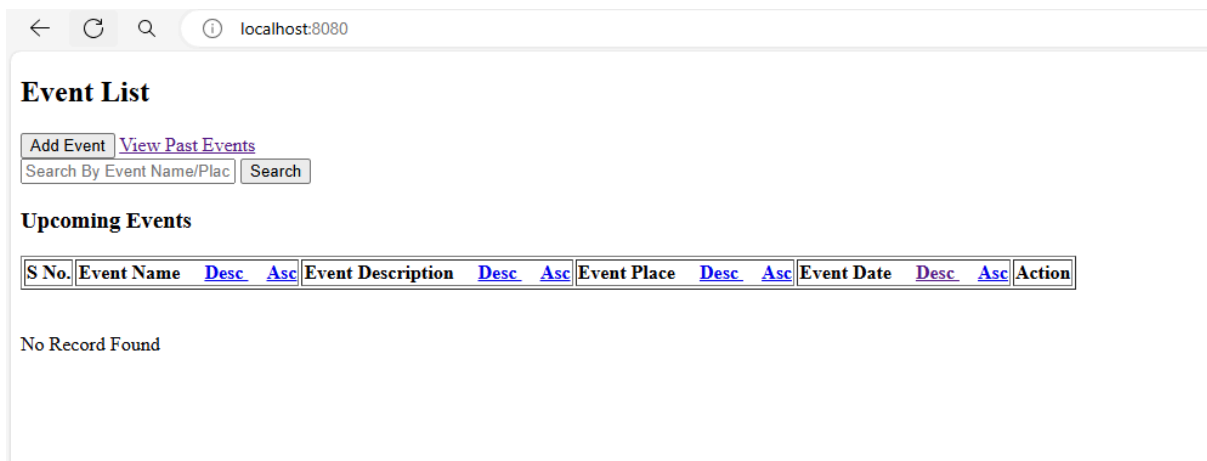
Method Exposed	Purpose
listEvents()	Should return page "list-events" with required data.
showFormForAdd()	Should return page "add-event-form" for adding an event.
saveEvent()	Should save an event and return "event/list" with required data.
showFormForUpdate()	Should show event details in page "update-event-form" to edit an event.
deleteEvent()	Should delete an event and return "event/list" with required data.
searchEvents()	Should search an event and return "list-events" with required data.
pastEvents()	Should show past event details in the "past-events" page.

2.2 RESOURCES AVAILABLE:

Description	View Pages Name	Remarks
Common UI		
Home Page	list-events	Contains a homepage which shows a list of all events along with options to add, edit , delete and search an event.
All events	list-events	
Add an event	add-event-form	
Update an event	update-event-form	
Search an event	list-events	
View Past event	past-events	

3 SUGGESTED WIREFRAMES:

1. Homepage – Visitor Landing Page



A screenshot of a web browser showing the 'Event List' page. The browser's address bar displays 'localhost:8080'. The page has a title 'Event List'. Below the title, there are two buttons: 'Add Event' and 'View Past Events'. A search bar is present with the placeholder text 'Search By Event Name/Place' and a 'Search' button. Below the search bar, the section is titled 'Upcoming Events'. It features a table with columns: 'S No.', 'Event Name', 'Event Description', 'Event Place', 'Event Date', and 'Action'. Each of the first five columns has 'Desc' and 'Asc' links. The table is currently empty, and the text 'No Record Found' is displayed below it.

Event List

Add Event View Past Events

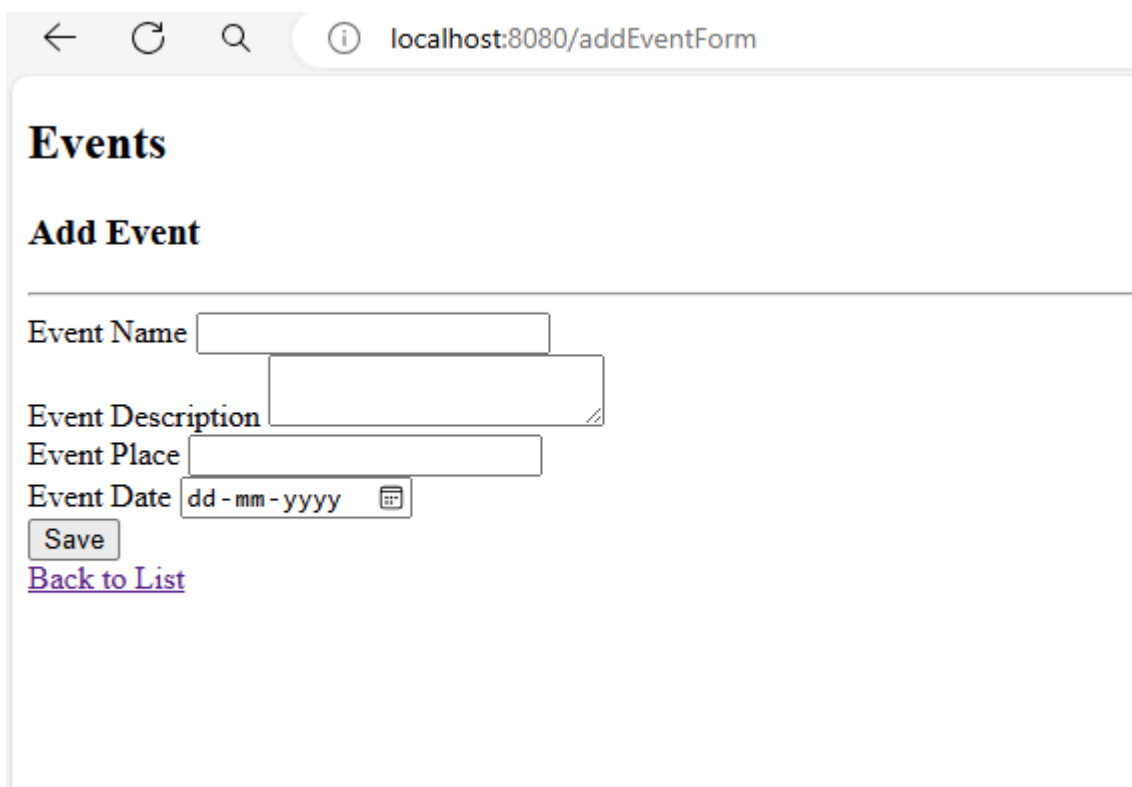
Search By Event Name/Place Search

Upcoming Events

S No.	Event Name	Event Description	Event Place	Event Date	Action

No Record Found

2. Create an Event



A screenshot of a web browser showing the 'Add Event' form. The browser's address bar displays 'localhost:8080/addEventForm'. The page has a title 'Events'. Below the title, the section is titled 'Add Event'. The form contains the following fields: 'Event Name' (text input), 'Event Description' (text area), 'Event Place' (text input), and 'Event Date' (text input with a date picker icon). Below the date field is a 'Save' button. At the bottom of the form is a link labeled 'Back to List'.

Events

Add Event

Event Name

Event Description

Event Place

Event Date dd-mm-yyyy

Save

[Back to List](#)

localhost:8080/addEventForm

Events

Add Event

Event Name

Birthday function

Event Description

1st birthday function,
so to be very grand

Event Place

Noida

Event Date

16-10-2024

Save

[Back to List](#)

3. Event List

localhost:8080/event/list

A

Event List

Add Event

[View Past Events](#)

Search By Event Name/Plac

Search

Upcoming Events

S No.	Event Name	Desc.	Asc	Event Description	Desc.	Asc	Event Place	Desc.	Asc	Event Date	Desc.	Asc	Action
1	Birthday function			1st birthday function, so to be very grand			Noida			2024-10-16			Update Delete

1

4. Update an Event

localhost:8080/event/updateEventForm?eventId=1

Events

Update Event

Event Name

Birthday function

Event Description

1st birthday function, so to b

Event Place

Noida

Event Date

12-10-2024

Save

[Back to List](#)

localhost:8080/event/list

Event List

Add Event

[View Past Events](#)

Search By Event Name/Plac

Search

Upcoming Events

S No.	Event Name	Desc.	Asc.	Event Description	Desc.	Asc.	Event Place	Desc.	Asc.	Event Date	Desc.	Asc.	Action
1	Birthday function			1st birthday function, so to be very grand			Noida			2024-10-12			Update Delete
2	Marriage			medium budget marriage			Bangalore			2024-06-08			Update Delete

1

5. Delete an Event

← ↻ 🔍

localhost:8080/event/list

Event List

Add Event

View Past Events

Search By Event Name/Plac

Search

Upcoming Events

S No.	Event Name	Desc	Asc	Event Description	Desc	Asc	Event Place	Desc	Asc	Event Date	Desc	Asc	Action
1	Birthday function			1st birthday function, so to be very grand			Noida			2024-10-12			Update Delete
2	Marriage			medium budget marriage			Bangalore			2024-06-08			Update Delete

1

localhost:8080 says

Are you sure you want to delete this event?

OK

Cancel

← ↻ 🔍

localhost:8080/event/list

Event List

Add Event

View Past Events

Search By Event Name/Plac

Search

Upcoming Events

S No.	Event Name	Desc	Asc	Event Description	Desc	Asc	Event Place	Desc	Asc	Event Date	Desc	Asc	Action
1	Birthday function			1st birthday function, so to be very grand			Noida			2024-10-12			Update Delete

1

6. Search an Event

← ↻ 🔍

localhost:8080/event/search

Event List

Add Event

View Past Events

birthday

Search

Upcoming Events

S No.	Event Name	Desc	Asc	Event Description	Desc	Asc	Event Place	Desc	Asc	Event Date	Desc	Asc	Action
1	Birthday function			1st birthday function, so to be very grand			Noida			2024-10-12			Update Delete

1

7. View Past Events

[Back to List](#)

Past Events

S No.	Event Name	Desc	Asc	Event Description	Desc	Asc	Event Place	Desc	Asc	Event Date	Desc	Asc
1	Marriage			medium budget function			Bangalore			2024-01-08		

1

4 BUSINESS VALIDATIONS

1. Id must be of type id.
2. Name value should not be blank, min 2 and max 40 characters.
3. Description value should not be blank, min 2 and max 200 characters.
4. Place value should not be blank.
5. Event date value is not null and should be of format "yyyy/mm/dd"

5 CONSIDERATIONS

The Code template already contains skeleton methods for service and controller layer. Please write your logic in it.

6 EXECUTION STEPS TO FOLLOW

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu
(Three horizontal lines at left top) -> Terminal -> New Terminal
3. To build your project use command:
mvn clean package -Dmaven.test.skip
4. To launch your application:
java -jar <your application war file name>

5. This editor Auto Saves the code
6. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use **CTRL+Shift+B**-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
7. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
8. To test any Restful application, the last option on the left panel of IDE, you can find ThunderClient, which is the lightweight equivalent of POSTMAN.
9. This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel of IDE, you can find Browser Preview, where you can launch the application.

Note: The application will not run in the local browser

10. Default credentials for MySQL:
 - a. Username: **root**
 - b. Password: **pass@word1**
11. To login to mysql instance: Open new terminal and use following command:
 - a. **sudo systemctl enable mysql**
 - b. **sudo systemctl start mysql**

NOTE: After typing the second sql command (sudo systemctl start mysql), you may encounter a warning message like :

System has not been booted with systemd as init system (PID 1). Can't operate. Failed to connect to bus: Host is down

>> Please note that this warning is expected and can be disregarded. Proceed to the next step.

- c. **mysql -u root -p**

The last command will ask for password which is '**pass@word1**'

12. Mandatory: Before final submission run the following command:
mvn test
13. You need to use **CTRL+Shift+B** - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.

