

Book Reading Event App

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Abstract— This Book Reading Event App is a combination of tools and processes that manage book-reading events across Delhi NCR. A book reading event where book lovers come together for a community reading of the favourite book. One or more readers read the book loudly and optionally people even play roles from the book.

Keywords- Active Server Page, Model View Controller, Three Layered Architecture

I. INTRODUCTION

A book reading event app is an online web application that is a single point entry for all the booklovers across Delhi NCR. Any registered and verified user wants to keep book reading event can create an event, invite to people they know by specifying their email ids or can keep event open for all. The invited people need not be registered users. Due to some problem if someone not able create an event, s/he can ask some other registered user to keep an event on behalf of her/him. The registered user can check for the public events happening by just browsing into to portal and for private events, one can check the invited list of events by logging into the portal as well as by checking their invitation mail. Admin can see all the events (whether it is public or private) and all the registered users. As per the requirement, admin can Edit as well as Delete any future public or private event details.

II. OBJECTIVE

The objective of this project was to manage all the book reading events property created by one user and send an invitation to the guests by entering their email ids or by keeping an event public. Managing these resources may itself be sufficient enough to give any user a big jump in terms of efficiency. Objective was to build a web-application for people that makes use of it to manage their hectic schedule and make best use of it in smooth and efficient manner.

III. FUNCTIONALITY

The project will manage the intellectual property by creating a database of all the users and events, help user to create an event, edit the event details, delete an event, add

comment(s) on event, invite the guest(s) for the event and to see any book reading event details happening around. Admin simultaneously verify details of events as well as users. Admin can also edit and delete the event whenever required. Book Reading Event App has two types of users: Registered user, Admin user.

Registered users are the normal user of the application who have the following rights:

- View Past and Upcoming Public events
- Login to the system using “Email id” and “Password”
- Create an Event and send the invites by specifying email ids
- Edit the events created by him/her
- View events invitation list along with the details
- View list of events created by him/her
- Add Comments to Event

Admin Users has all rights throughout the application as follows:

- View Past and Upcoming Public events
- Login to the system using “Email id” and “Password”
- Create an Event and send the invites by specifying email ids
- Edit any upcoming event’s detail
- View events invitation list along with the details
- View list of events created by him/her
- Add Comments to Event
- View list of all the users
- View list of all the events

IV. METHODOLOGY AND APPROACH

Following technologies were used for building this project:

- Frontend - Hypertext Markup Language (HTML) CSS (Cascading Style Sheets), JavaScript, Bootstrap
- Backend - ASP.NET (Active Server Page) Model View Controller (MVC)
- Database - Structured Query Language (SQL) Server
- Framework - Entity framework is used to connect to the database which helps in object relational mapping

ASP.NET is an exciting web programming technology pioneered by Microsoft that allows developers to create dynamic web pages. Dynamic web pages are pages whose content is dynamically generated whenever the web page is requested. ASP.NET is a programming framework that is used to create enterprise-class Web applications. This project is built in MVC pattern where M is model which determine the classes, V is view which determine views shown to the user and C stands for controller which is used to handle the request. This project follows three layered architecture. First layer is presentation layer which includes views, second layer is business layer which includes the services which work as a mediator between presentation and data access layer. And the third layer is data access layer which directly interact with SQL server database using entity framework and code first approach.

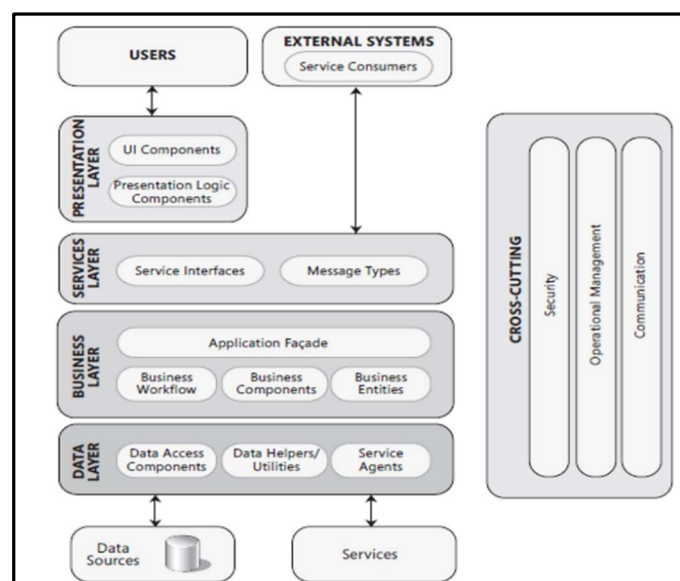


Fig. 1. Design Architecture

V. OBSERVATIONS

Graphical User Interface (GUI) - The website contains many links and tabs for various requirements like Create Event, Edit Event, View Invitations etc. The users of the application consist of users from Delhi NCR. It will lay stress on each page's layout and the features to be depicted on that page.

HOME PAGE:

This is the first landing page. Any user can see the Public Book Reading Events without logging into system by using Past Events and Upcoming Events link. Past Events link redirects to the Past Public Events and the Upcoming Events link redirects to the Upcoming Public Events along with their details.

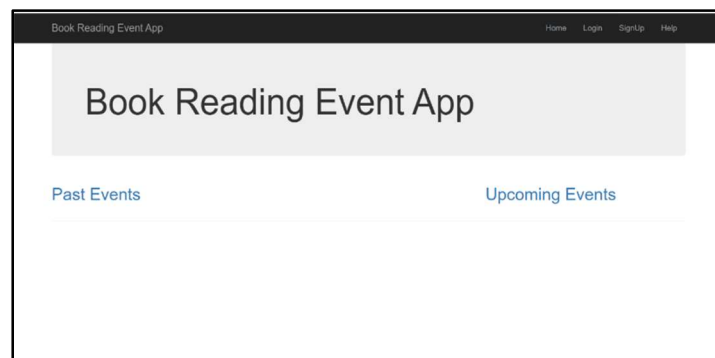


Fig. 2. Home Page

PAST EVENTS:

This page is landing by clicking on Past Events on home page. Any user can land on this page without logging into the system. But one cannot add comment without logging into the system. User can see the list of Past Public Events along with the details of each the event. The working of Upcoming Events on home page is the same.

Title	Date	Location	StartTime	Duration	Description	OtherDetails
Women's day	08-03-2021 00:00:00	Delhi	16:30	2	Women's day Special	

Fig. 3. Past Events

USER LOGIN:

A registered user or admin can login using their credentials. Depending on the type of user, s/he will have to access to various functionalities of the application. In case the email id and password typed by user does not match with any record in the database, a login failure message will be displayed. If not register already, a user can sign up by clicking on "Signup".

Fig.4. Login Page

USER SIGN UP

A user can register using their credentials. After successful registration user will be redirected to login page. In case of failing the validation requirements of email id or password, a failure message will be displayed. If registered already, a user can login by clicking on “Login”.

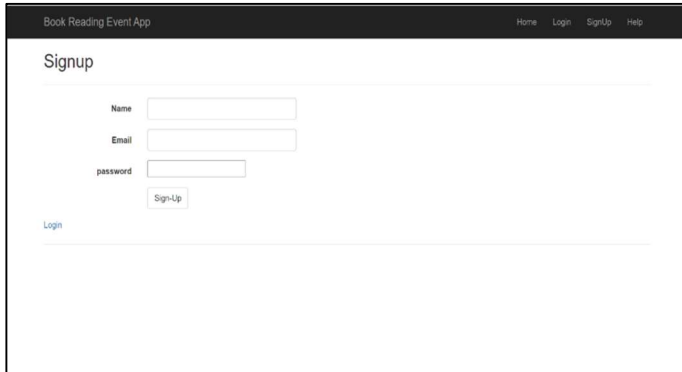


Fig. 5. Sign up Page

HOME PAGE AFTER LOGIN:

This is the landing page after the user logs in to the system. PAST EVENTS redirects to the page containing the list of past events where either user invited, or it was a public event. UPCOMING EVENTS redirects to the page containing the list of upcoming events where either user invited, or it is a public event.

Navigation-bar: Contains the button for CREATE EVENT, MY EVENTS, INVITATIONS, HELP, USER DETAIL and LOGOUT functionalities.

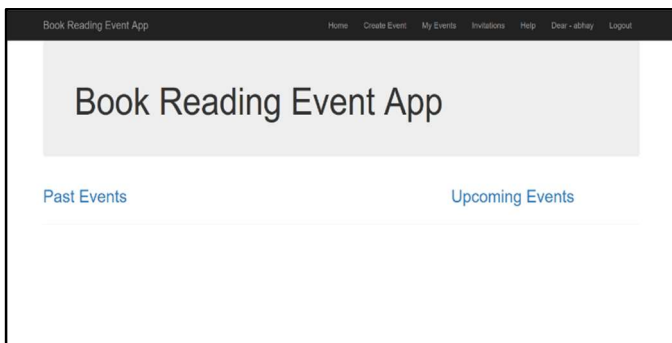


Fig. 6. Home Page (After Login)

Only user with Administrator rights has some additional button for some additional functionalities available in navigation bar are ALL USERS and ALL EVENTS button.

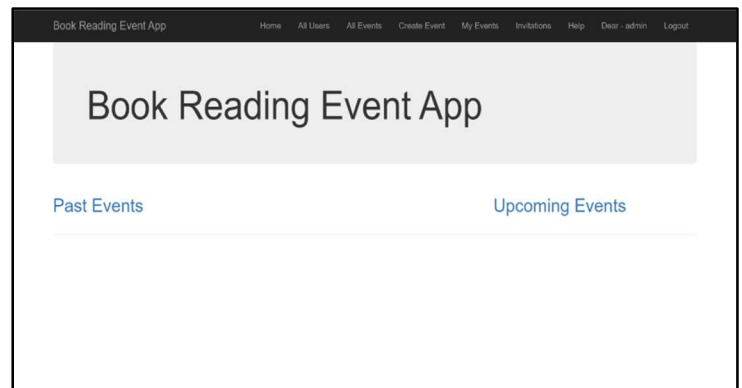


Fig. 7. Home Page (After Login – for Admins)

CREATE EVENT:

User can create a new event. User just need to enter some necessary details like Title, Date, Location, Time, Type of event and some other optional details like Description, Other Details. User can invite guests to the event by entering their email ids separated by comma. User must provide creator id for whom they are creating the event. If user wants to create event for himself/herself only, then he/she can check creator id by clicking on DEAR – XXXXX. If user is creating event for someone else, then admin will verify details with whose creator id has been entered. If BACK TO LIST button is clicked, the user will be redirected to HOME PAGE.

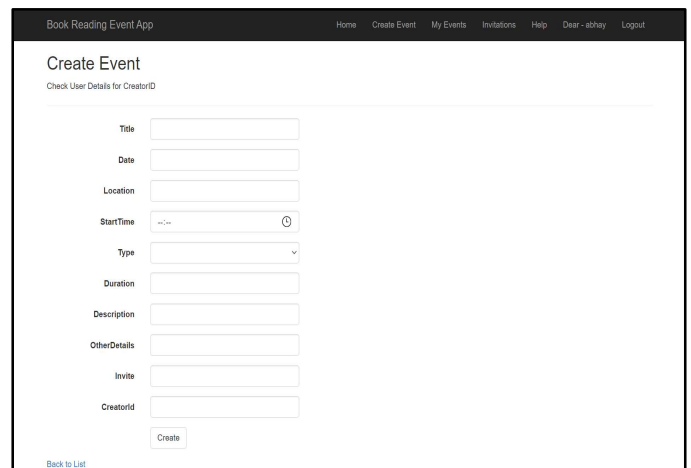


Fig. 8. Create Event Page

MY EVENTS:

User can see the complete list of events created using their own creator id. From here user can Edit/Delete his/her any upcoming event by clicking on Edit/Delete button. User can also create event by the button provided just under the tile MY EVENTS.

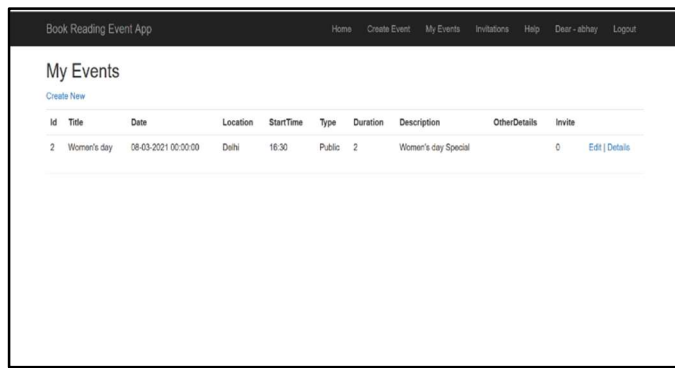


Fig. 9. My Events Page

EDIT EVENT:

User can edit the details of any upcoming events from the list of events provided on MY EVENTS page. User can edit any of the details provided in create event form except the creator id. The layout of the page is exactly same as CREATE EVENT page. User can return to MY EVENTS page using BACK button.

INVITATIONS:

User can see the complete list of events he/she is invited. The list of events being shown are sorted by the date and time of event. As this page proven to be much helpful to user in order to plan his future activities. By clicking on DETAILS button, user will be redirected to EVENT DETAILS page. On EVENT DETAILS page, user will find some additional information regarding the events such as type of event(public/private), the number of invitees invited and the creator of the event.

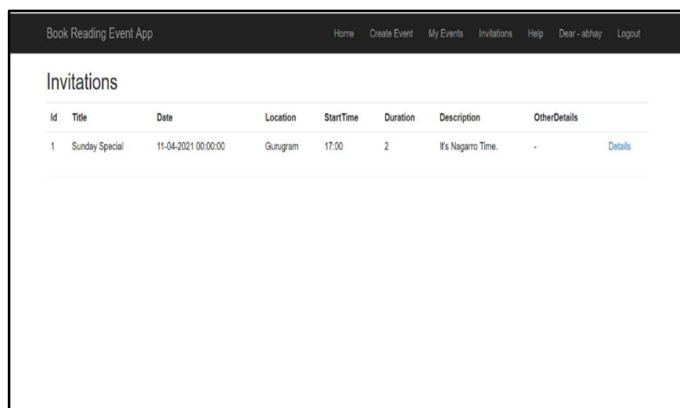


Fig. 10. Invitations Page

EVENT DETAILS:

User can see all the available information regarding the event he/she invited to by clicking on Details button available on INVITATIONS page. Here one can find some additional information such as type of event(public/private), the number of invitees invited and the creator of the event. User can also add comment for this particular event by clicking on ADD

COMMENT. And can also see the comments posted by others in COMMENTS section. The comments in the COMMENTS section are shown anonymous sorted by the date and time.

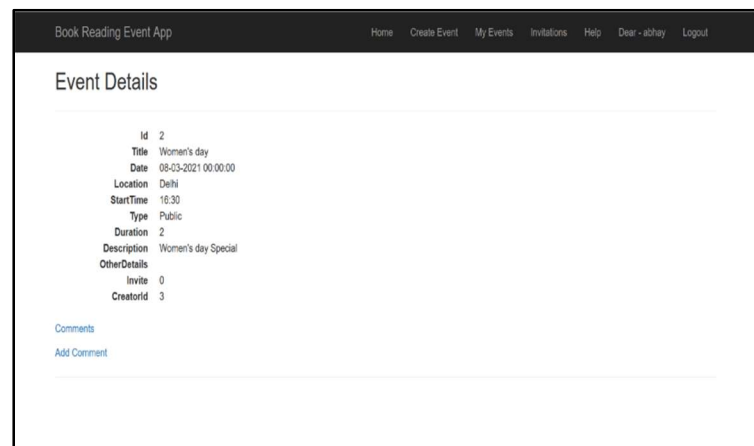


Fig. 11. Event Details Page

USER DETAILS:

User can check his/her own details by clicking on DEAR – XXXXX button. One needs to check their user id for creating their event, so here they can find it out. Here the button name is extracted from the email id by which user has login into the system. As it is clearly visible from the image, if someone logged into the system with xxxx@gmail.com then the name before @ is shown after Dear – button like “Dear - xxxx”. The name visible in button is the extracted from user’s email id leaving the part from @ symbol.

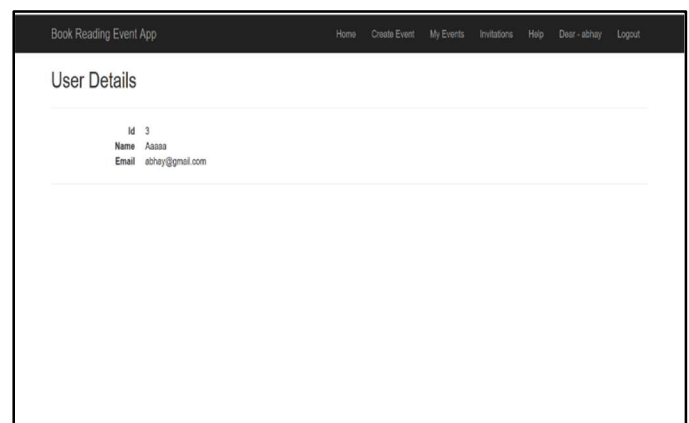


Fig. 12. User Details Page

ALL USERS - ADMIN ONLY:

Only user with administrator rights, can access this page. This page can be accessed by clicking on the button ALL USERS available in navigation bar. On this page, admin user can see the whole list of users which may or may not be an admin. Admin can see each users’ name, id and email id.

Book Reading Event App		
Home All Users All Events Create Event My Events Invitations Help Dear - admin Logout		
All Users		
Id	Name	Email
1	Abhay Mishra	abhaymishra2000@gmail.com
2	Admin	admin@gmail.com
3	Aaaaa	abhay@gmail.com

Fig. 13. All Users Page (Admin only)

ALL EVENTS - ADMIN ONLY:

Only user with administrator rights, can access this page. This page can be accessed by clicking on the button ALL EVENTS available in navigation bar. On this page, admin user can see the complete list of events. The list contains both the public as well private events. The list contains both the past and upcoming events. The events in the list are sorted by date and time. Admin can use create event functionality here also by clicking on CREATE NEW EVENT button.

Admin can see details like Title, Date, Location, Start Time, Type of Event, Duration, Description, Other Details, No. of Invitees invited, Creator id of all the events. For some specific requirement, admin can see the details for a particular event by clicking on DETAILS button available in that event's particular row which will redirected to EVENT DETAILS PAGE as shown before. Admin can not only edit the events created by him/her, but also edit events created by other users/admins. Admin can edit any upcoming event by clicking on EDIT button for that particular event which will redirect to EDIT EVENT page. Admin can also edit creator id for event.

Book Reading Event App											
Home All Users All Events Create Event My Events Invitations Help Dear - admin Logout											
All Events											
Create New Event											
Id	Title	Date	Location	StartTime	Type	Duration	Description	OtherDetails	Invite	CreatorId	
1	Sunday Special	11-04-2021 00:00:00	Gurgaon	17:00	Private	2	It's Nagano Time	-	1	1	Edit Details
2	Women's day	08-03-2021 00:00:00	Delhi	18:30	Public	2	Women's day Special	-	0	3	Edit Details

Fig. 14. All Events Page (Admin only)

LOGOUT:

After done with the usage of the portal, user/admin can logout from the system by clicking on LOGOUT button available in navigation bar. After clicking on LOGOUT button, user will be redirected to HOME PAGE. User can again use the system any number of times by logging into the system using same credentials used for the first time.

Testing commences with a test plan and terminates with acceptance testing. A test plan is a general document for the entire project that defines the scope, approach to be taken and schedule of testing as well as identifies the test item for the entire testing process and the personnel responsible for the different activities of testing. Various outputs are produced as a result of test case execution for the unit under test. These outputs are needed to evaluate whether the testing has been satisfactory. The test report is meant for project management where the summary of the entire test case execution is provided. The summary gives the total number and nature of errors found and the summary of any metrics data collected. In our case, initially many errors were found. All such errors as reported were rectified.

VI. CONCLUSION

This Book Reading Event system is a user-friendly software that can be used in any locality for any user to arrange the event and to send an invite to guests just by entering their email ids. Due to some problem, if someone might not be able to create an event and send invite or somebody might not have email ids available for all the guests, in this case book reading event app provide a functionality to a user to create an event on behalf of someone else and it will be verified by admin before sending an invitation to the guests and posting that event on portal. Allowing all the users to have access to such web-based application software can help anyone who wants to keep an event and busy with the preparation of the event can easily send invitations to the guests and save his/her time. Further this software can be developed to add more functionalities in the future, like set a reminder for the events and notify the user time by time, set flag for the events one interested. This project can be further extended to keep any event (i.e., House-Party, Get to Gather) and not just only for book reading. The sheer possibility of scaling this application is immense and will definitely going to be proven the most useful software in the future times.

VII. ACKNOWLEDGMENT

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VIII. REFERENCES

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