PDP Project 1
Booking Website

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Problem Statement

As humans, we always tend to have leisure and entertainment for our well being and fun. But, due to limited resources, we need to plan things ahead and make reservations, to get the best possible entertainment or be a part of it. People have to use multiple websites for booking various tickets, example a website to book movies and a website to book tickets for favorite soccer match. To overcome this problem, we introduce **Ticketlio** a ticket booking website wherein you can book tickets for movies and sports easily under one roof.

Business Requirements

Color Scheme: Nouns Verbs

- A website which draws inspiration from various ticket booking websites such as for movies and sports and hackathons.
- The website should have navigation bar, which contains options at the top.
- Users can click on different options presented in the navigation bar, to select options.
- A ticketing website wherein people can book tickets for their favorite movies, sports and register for hackathons depending upon their location.
- The app requires user to log in, and they need to give basic information about themselves and they can also save their card details or make payments using apple pay/google pay or Samsung pay on the website.
- Once the user login, they will be presented home page, which shows basic description about each service of the website.
- Users have options to filter the content depending upon their location for the movies and sports
- For movies, users can filter the content depending upon the cinema/theatre. Users can select movie details such show timings and number of tickets
- For hackathon, users can filter content based on location and can register for the hackathons.
- For sports, the content will be shown as per the category such as Football, Table Tennis and Ping Pong.
- Since, the users have already stored their details with the website, they don't need to fill all details again and with one click they can book tickets and also register.
- Users also have the option for registering their own hackathon events, for a given location, along with necessary details.
- The website should have a footer, which contains various options such as Customer Support, Subscribe Us, Cancellation Policy
- Footer should have more clickable links about partnerships, About us, legal and careers.
- **Target Audience: All the users wanting to seek entertainment, who love movies, sports and young people looking to change the world, participating in hackathon**
- **Target Age Group: All the people above the age of 12, looking forward to enjoy movies, sports or participate in hackathons.**

- Details asked during registration:
    - Profile Picture
    - A short biography
    - Email
    - Phone Number
    - Unique Username
    - Password
    - Name
    - Security Questions (Entered by user)
    - Payment methods

Nouns and Verbs

Nouns
- Navigation Bar
- Footer
- Tickets
- Hackathon Events
- Hackathons
- Sports
- Movies
- Home
- User
- Movie Details

Verbs
- Click
- Filter
- Save
- Make Payments
- Book
- Register
- Customer Support,
- Subscribe Us
- Cancellation Policy
- Partnerships
- About Us
- Legal
- Careers
- Login

Use Cases

1. User can login to the website
   - User - Any user of the app.
   - Overview - User can login using their username and password.
   - Basic Flow - User successfully logs in and can use the app.
   - Alternative Flow 1 - User is not registered and they need to sign up if want to book tickets or register.
   - Alternative Flow 2 - User forget their username or password and they can retrieve their login details.

2. User Creates account
   - User - Unregistered user of the app
   - Action - User can click on the create account button to register at the Ticketlio website. The user needs to provide details such as full name, username, password, security questions, email, profile picture, phone number. Once user makes an account, they can book tickets and make reservations.

3. User clicks on forgot password
   - User - Registered User of the app.
   - Action - The user will be taken to the page, wherein they can generate a temporary password link over email by answering correctly to the security questions provided by them during time of account creation.

4. User can select their city in navigation bar
   - User - Any user of the app
   - Action - In the navigation bar, user can select their respective city. Depending upon the city selected the data of each tab in the website is rendered accordingly.

5. User can scroll the home page
   - User - Any user of the app
   - Action - Users when they launch the website they can see the home page, which contains details about the website and what features are offered.

6. User can click on movies tab
   - User - Any user of the app
   - Action - In the navigation bar, user have the option to click on movies, which will show them all the movies and theatres in the city.

7. User can filter movies using theatre/cinema
   - User - Any user of the app
   - Action - User can apply filter to the movies list they see. They can choose cinema in the filter and the data will be filtered and rendered on the page

8. User can select movie timings
   - User - Any user of the app
   - Action - User can select movie timings, and then book tickets.

9. User can select number of tickets
   - User - Any user of the app
   - Action - Users need to specify number of tickets they want to book. They will be provided with input-number fields, to increase or decrease the number of tickets.

10. User can book tickets
   - User - Registered user of the app
   - Action - Any registered user, after selecting movie, timing and number of tickets, they can book ticket.

11. User pays for tickets
   - User - Registered user of the app
   - Action - Any registered user, when booking tickets will be redirected to 3rd party payment gateway to make payment using credit card/ debit card or using apple pay/Samsung pay.

12. User can click on sports tab
   - User - Any user of the app
   - Action - In the navigation bar, user have the option to click on sports, which will show them all the sporting events in the city.

13. User can register for hackathons
   - User - Registered user of the app
   - Action - Registered user of the app, can select the hackathons they want to participate and can register.

14. User can book tickets for their sport matches
   - User - Registered user of the app
   - Action - Registered user of the app, can select the sport match they want to view and can book tickets.

15. User can also register for events
   - User - Registered user of the app
   - Action - Registered user of the app, can register for the event and also, can see it in real-time.

16. User can access 24 hours chat support option in footer
   - User - Any user of the app
   - Action - The uses of the app have access to 24 hours chat support, wherein they can talk with any Ticketlio representative.

17. User can subscribe with us
   - User - Registered user of the app
   - Action - The uses of the app can subscribe with us, so they can receive news, promotions and offers from us on their email

18. User can check about cancellation policy
   - User - Registered user of the app
   - Action - The uses of the app can read our cancellation policy and apply for cancellation in case they are unable to make it for their booking.

19. User can interact other various options in footer
   - User - Any user of the app
   - Action - The users of the app, can interact with various options such as partnerships, terms & conditions, careers and about us

Interface Mockups

Home Page

Ticketlio | Movies   Sports   Hackathons   Register Events   [City   ∨]

Image

Image related to Movies

Image related to Sports

Image related to Hackathons

Website Footer

Movies Page

Movies

Select Cinema

[Select Theatre   ∨]

Movie Name
_____
_____   Summary

Poster

Show Timings:
[ ]   [ ]   [ ]

Theatre:

Date:

City:

Number of tickets

+ [   ] −

[Book Tickets]

Sports Page

| Movies   Sports   Hackathons   Register Events | City   ∨ |

Image Related   to   Sports

Sports

Football

Poster 1	Poster 2	Poster 3
Match Name	Match Name	Match Name
Time:	Time:	Time:
Location:	Location:	Location:
Seats Left:	Seats Left:	Seats Left:
Date :	Date :	Date :

Rugby

Hackathons Page

Image Related to Hackathon

Hackathons

Hackathon

Poster

Hackathon   Name
_____

Description
_____
_____
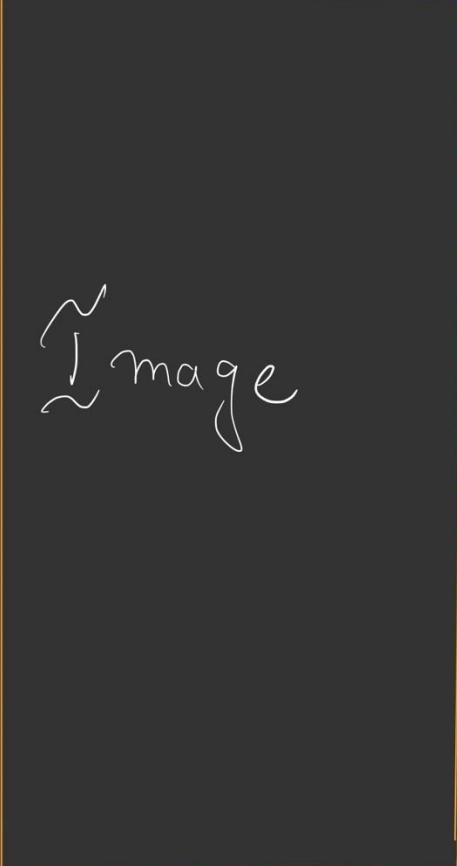
Duration:

Location:

Date:

[Register]

Register Events Page

Image

Name of Event

Description

From Date

To Date

Location

Poster URL

Submit

Website Footer

24
Customer
Support

Subscribe
Us

X
Cancellation
Policy

Partnerships

Websites

Social Media

Branding

About Us

Our Projects

Careers

Legal

Terms & Conditions

Privacy Policy

Terms of Use

Careers

Developers

Marketing

UML Diagram

All the components inherit from Component, but not explicitly mentioned in diagram

Component

App
state: {
city: String
}
changeMyCity

NavBar
props: {
changeMyCity: function
}
state: {
displayScreen: string,
myCity: string
}
displayPage()
onChangeCity()

Home

Movies
props: {
city: String
}
state: {
theatreName: string
movieName: string
actualMovieData: [object]
movieData: [object]
}
changeTheatre(event)
updateRemainingTickets(value, index)

Sports
props: {
city: String
}

Hackathons
props:{
city: string
}

Events
state: {
name: string
description: string
fromDate: string
toDate: string
location: string
poster: string
duration: string
}
onInputFieldChange
onSubmitForm
disableSubmitBtn
generateMonth

Footer
state: {
options: [
{
value: string
imageText: string
}
]
linkData: [
{title: string, options: [string]}
]
}

MovieTicket
ticketValue: string = 0
enterTicket(event)
onChangeTicket(event)

ShowTimings
props: {
timings: [String]
}
showTimingSelected(event, index)

SportCategory
props: {
category: String
matches: [{
imageUrl: string,
matchName: string
matchTime: string
matchDay: string
seatsLeft: string
location: string
}]
}

HackathonBody
props: {
details: [
{
value: string
imageText: string
}
]
hackathonData: [[]]
onRegister

FooterOptions
props: {
details: [
{
value: string
imageText: string
}
]
}
imageSelector

FooterLinks
props: {
data: {
options: [
{
value: string
imageText: string
}
]
}
}

NoMovie

SportMatches
props: {
mData: {
imageUrl: string,
matchName: string
matchTime: string
matchDay: string
seatsLeft: string
location: string
}
}
bookTickets(val)

HackData
props: {
data: [
{
label: string,
value: string
}
]
}