Mobile App 2 CA2

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# Walkthrough - Book tickets

1. The home page shows a list of current events and their information. An event has logo, title, description, age rating and dates. To book an event, choose the event and the date and time and then click on the button “Book”.

Graphical user interface, website

Description automatically generated

1. After choosing the event and the date and time, the number of people must be indicated. Click on the “+” button to add a person or “-” button to remove a person. Additionally, this page shows the number of seats available.

A screenshot of a cell phone

Description automatically generated with low confidence

One booking can have a maximum of five adults and a maximum of four children.

A screenshot of a cell phone

Description automatically generated with medium confidence A screenshot of a cell phone

Description automatically generated with medium confidence

A family ticket contains two adult tickets and four children tickets.

If two adult tickets and four children tickets are selected, the tickets will be replaced with one family ticket.

And only one family ticket can be booked at a time.

A screenshot of a cell phone

Description automatically generated with medium confidence A screenshot of a cell phone

Description automatically generated with medium confidence

There must be at least one adult if children tickets are selected.

And a booking can not have zero tickets.

A screenshot of a cell phone

Description automatically generated with medium confidence A screenshot of a cell phone

Description automatically generated with medium confidence

If a booking is cancelled, a confirmation message will be shown.

A screenshot of a cell phone

Description automatically generated with medium confidence

1. After choosing the participants, the seats must be selected. Select the seats by clicking manually on the seats or use the auto-select function and click on a seat. The auto-select function automatically selects the seats next to the selected seat.

White seat indicates “Available”.

Black seat indicates Booked.

Orange seat indicates “Selected”.

A screenshot of a cell phone

Description automatically generated with low confidence

The total participants and the total of selected seats must be equal to proceed.

A screen shot of a cell phone

Description automatically generated with low confidence

1. Lastly, the contact details of the customer must be entered.

Graphical user interface, application

Description automatically generated

A valid first name, last name and email address must be entered.

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

1. Congratulations! Your booking is successful. The details of your booking is shown.

Graphical user interface, application, Teams

Description automatically generated

# Mock-up (week 1)

Link to the mock-up: <https://dorsetdemo-my.sharepoint.com/:p:/g/personal/24581_student_dorset-college_ie/EYEkiGrQGMhJsNnsitkhk2IBM61Rk13wt2mcR1YgxLNkLg?e=cKaLp4>

Chart, treemap chart

Description automatically generatedTable

Description automatically generated

Chart, bar chart

Description automatically generatedGraphical user interface, text, application

Description automatically generated with medium confidence

Table

Description automatically generated

# PowerPoint (Week 4)

Graphical user interface, text, application, email

Description automatically generated

Link to the presentation: <https://dorsetdemo-my.sharepoint.com/:p:/g/personal/24581_student_dorset-college_ie/ERRYUDln3sJFheNCxfZpDEABhvcpMa-AaFA3URFp9ORv8A?e=RjCZXD>

# Description

Link to the assignment: <https://bit.ly/3qI8jon>

**Additional features implemented:**

* Every page has validation

Booking page

* Children tickets shouldn’t be added to X-rated shows
* Number of available seats is shown.
* Check if enough seats are available before moving on to the seats page.
* Show alert when maximum participants reached.
* Close first modal, alert “Are you sure you want to close? Unsaved data will be lost.”

Seat page

* Auto-select function

# Implementation

## GitHub

Link to the GitHub: <https://github.com/chantal-junhyeok/dorset-team-10-ticketing>

|  |  |
| --- | --- |
| Commands | Description |
| Git clone <> |  |
| Git pull |  |
| Git add . |  |
| Git commit -m “message” |  |
| Git push |  |
| git branch <> | Create a new branch |
| Git switch <> | Switch to a branch |
| git push --set-upstream origin feature-home | Push to a new branch |
|  |  |
| Git switch main | Switch to the main branch |
| Git merge <> | Merge a branch into main |
| Git push | Push the merge changes |

## Angular

|  |  |
| --- | --- |
| Commands | Description |
| Npm install |  |
| ng generate component <components/booking> |  |
| ng generate module <components/booking> –routing |  |
| ng generate interface <interfaces/booking> |  |

## Ionic Framework (week 2)

<https://ionicframework.com/docs/components>

|  |  |
| --- | --- |
| Commands | Description |
| Ionic serve | <http://localhost:8100/home> |

## Storage (week 3)

Events

|  |  |
| --- | --- |
| Attribute | Datatype |
| ageRating | string |
| datetimes | Array, timestamp |
| description | String |
| prices  adult  child  family | map  number  number  number |
| thumbnail | String |
| title | string |

Events’ data

How to Train Your Dragon

|  |  |
| --- | --- |
| Attribute | Value |
| ageRating | G |
| datetimes |  |
| description | Hiccup, a Viking, must kill a dragon to mark his passage into manhood and be initiated into his tribe. However, he ends up doing the exact opposite by befriending a deadly dragon, Night Fury. |
| prices  adult  child  family | Adult: 10  Child: 6  Family: 40 |
| thumbnail |  |
| title | How to Train Your Dragon |

The Conjuring

|  |  |
| --- | --- |
| Attribute | Value |
| ageRating | R |
| datetimes |  |
| description | Paranormal investigators Ed and Lorraine Warren work to help a family terrorized by a dark presence in their farmhouse. |
| prices  adult  child  family | Adult: 10  Child: 6  Family: 40 |
| thumbnail |  |
| title | The Conjuring |

Booking

|  |  |
| --- | --- |
| Attribute | Datatype |
| eventId | String |
| dateTime | timestamp |
| customer  firstname  lastname  email | Map  String  String  String |
| ticketCounts  adult  child  family | Map  Number  Number  Number |
| totalPrice | Number |
| Seats | Array, string |

Firebase:

// Import the functions you need from the SDKs you need

import { initializeApp } from "firebase/app";

import { getAnalytics } from "firebase/analytics";

// TODO: Add SDKs for Firebase products that you want to use

// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration

// For Firebase JS SDK v7.20.0 and later, measurementId is optional

const firebaseConfig = {

apiKey: "AIzaSyAaBF6ioQQH2KaGnMFzD7JMUUAKaoE6qTc",

authDomain: "dorset-team-10-ticketing.firebaseapp.com",

projectId: "dorset-team-10-ticketing",

storageBucket: "dorset-team-10-ticketing.appspot.com",

messagingSenderId: "208648291185",

appId: "1:208648291185:web:d3412413d1c3c29f3d2cd0",

measurementId: "G-X09EYQ49G0"

};

// Initialize Firebase

const app = initializeApp(firebaseConfig);

const analytics = getAnalytics(app);

# Future Improvements

* Login
* Register
* 2FA
* Forgot password

Home page:

* Sort events
* Filter events
* Search event
* "Show Type" – movie, play, etc.

Confirmation page

* Show QR code as ticket
* Send confirmation email
* Booking cancellation