

Overview:

The client wanted us to develop a custom application to optimize the process of venue booking and include features to handle events pertaining to ticketing, revenue management and live event promotion. The aim was to help their target customers manage their business efficiently leading to a revenue increase, besides also witnessing improvement in their brand equity. Multiple companies in areas ranging from sports, comedy, fairs, musicals and festivals can make use of this integrated solution in order to promote and manage their events with utmost ease.

Client details:

Name: Confidential | **Industry:** Real Estate | **Location:** USA

Technologies:

HTML5 Canvas, JavaScript, PHP, NoSQL, Amazon S3, Amazon API Gateway, AWS Lambda, REST, Ably

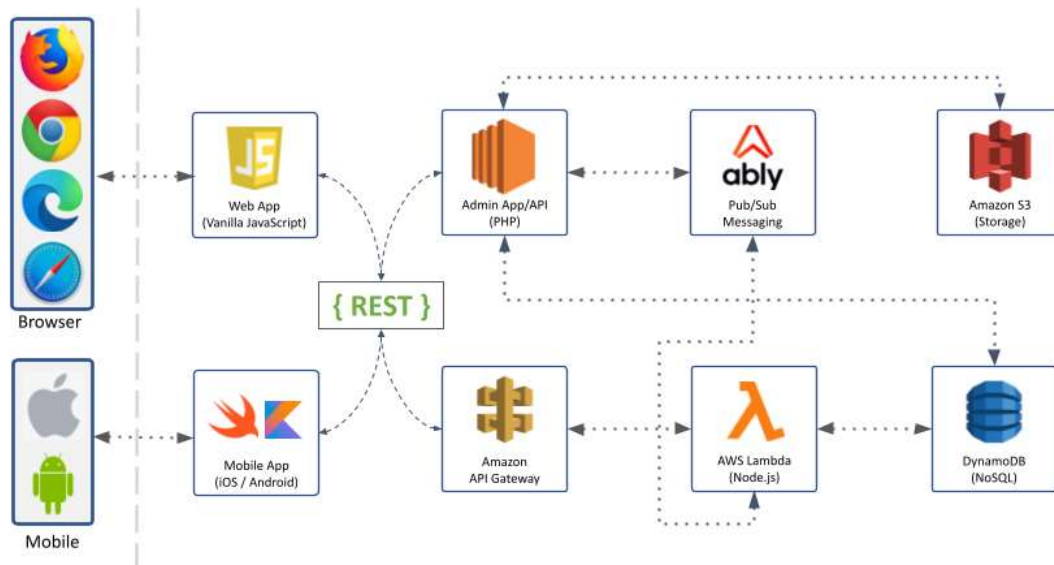
Project Description:

Some salient features of the application:

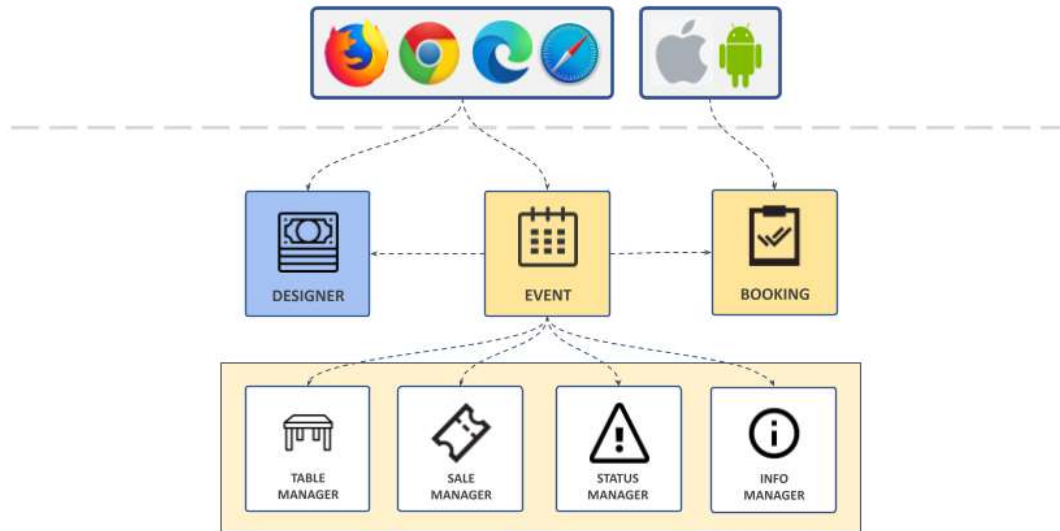
- The initial step involves designing a floor plan with the chart designer. Various sections can be added in various floors. Chart Designer applications help the backend team to view the entire process and modify as per their requirement. The next step is to add seating areas based on the sections.
- In the table view, the seat tool allows creating a seat matrix. Various categories can be allocated like VIP, Adult or child which helps to manage pricing. The table type allows creating multiple table types like circular, rectangle etc. The chart designer application also allows duplicating sections and seating areas.

- Chair seating and open spaces can be managed with the table View. The image view helps to manage and update the backgrounds in the floor plan.
- The client's customers can check how the view plan will appear to the end user through previews.
- The next step includes linking the chart with the event, so that the end user can book their tickets. Event series manager helps to manage recurring events, upcoming and past events. Basic information like Event name, time, date, venue chart, ticket price are set with the event manager.
- The event manager can manage the seats, book or hold them for future. The payment gateway is integrated with the cart so that the end users can book their tickets easily.

Architecture:



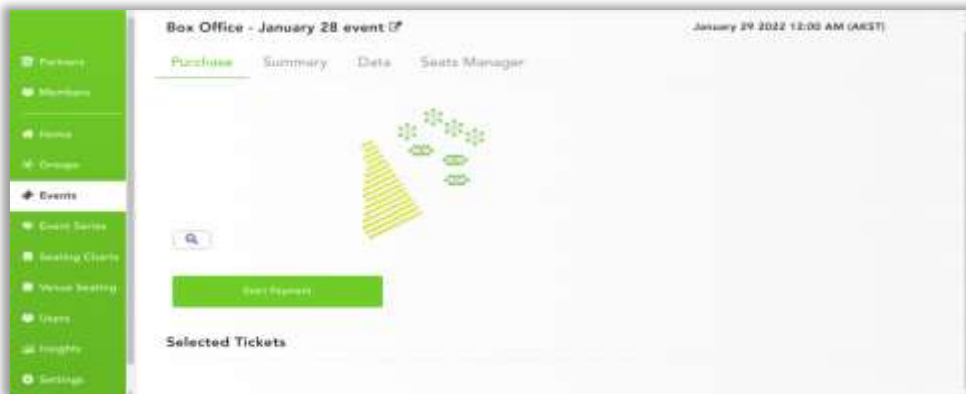
Flow Diagram:



Screenshots:



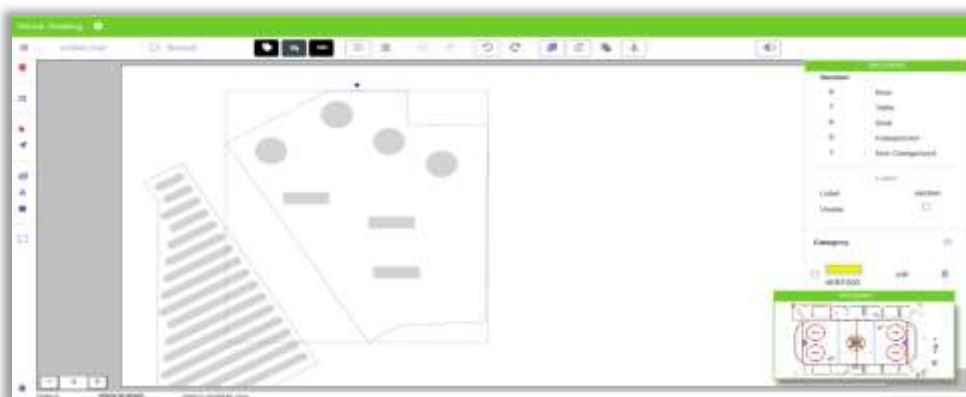
Screenshot 1: Booking Viewer



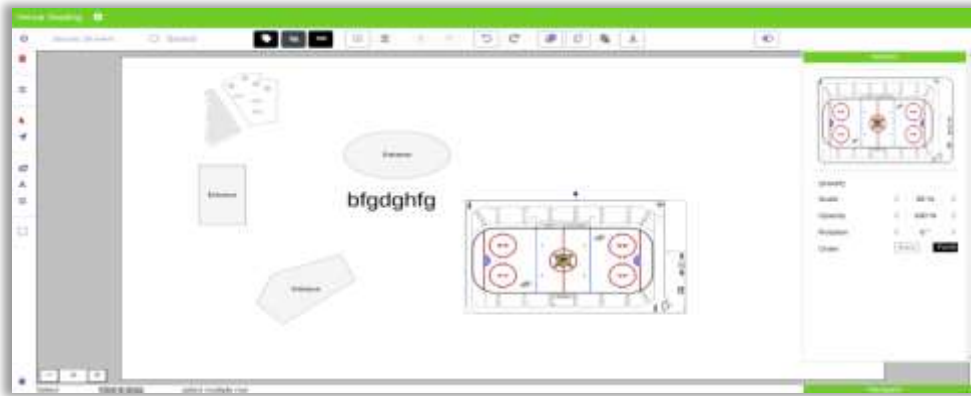
Screenshot 2: Box Office Purchase Manager



Screenshot 3: Chart Designer Application



Screenshot 4: Chart Section Level View



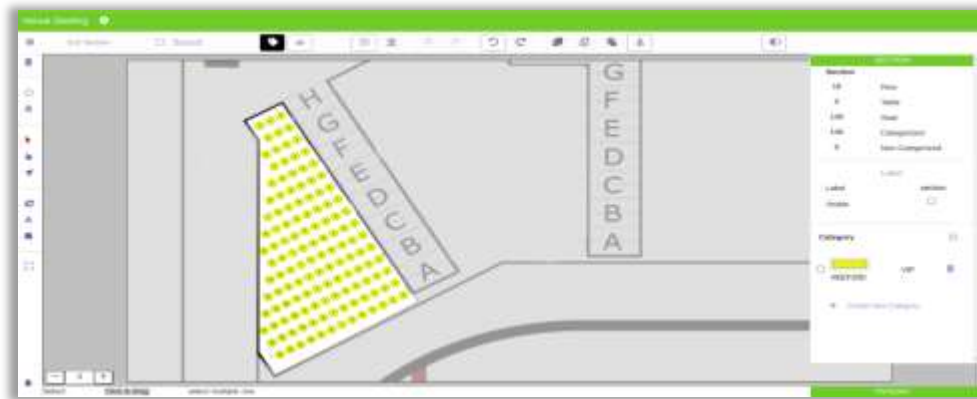
Screenshot 5: Object View in canvas



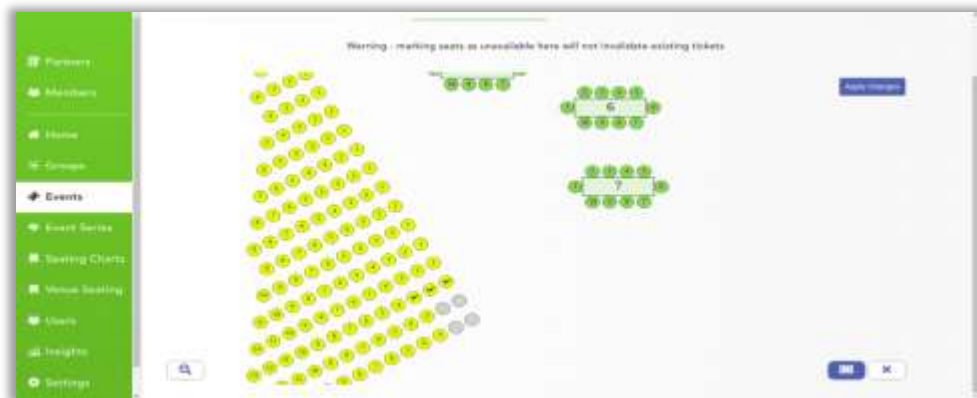
Screenshot 6: Media Uploader



Screenshot 7: Multi mode manager



Screenshot 8: Seat View



Screenshot 9: Status Manager



Screenshot 10: Table Seating