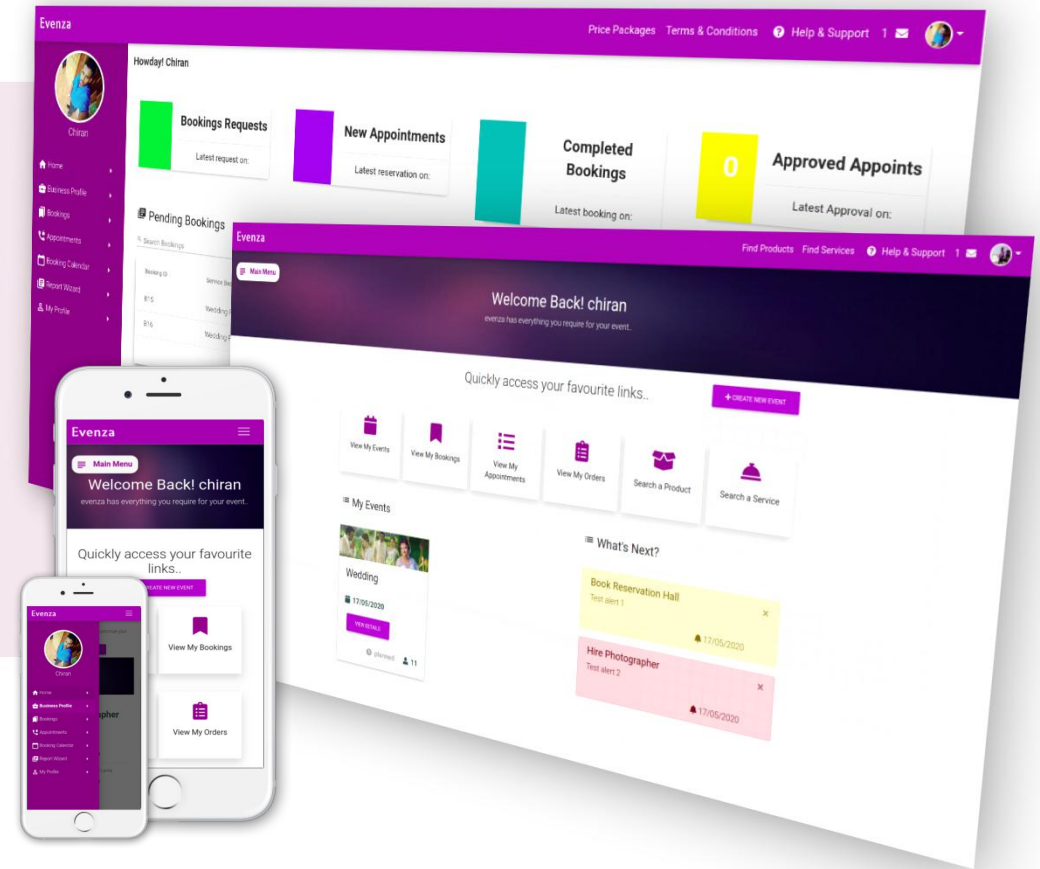# Evenza

Smart Event Management & Resourcing Platform

What is Evenza?

A web based platform to connect Customers (need to plan an event) to Service Providers while providing smart event planing, scheduling & participant management capabilities

What Evenza does?

Event Planners

Create & Schedule events with Event Planner

Search & Book Service Providers

Place a Booking

Visit Appointment

Event Publishing & participant management

Service Providers

Sellers
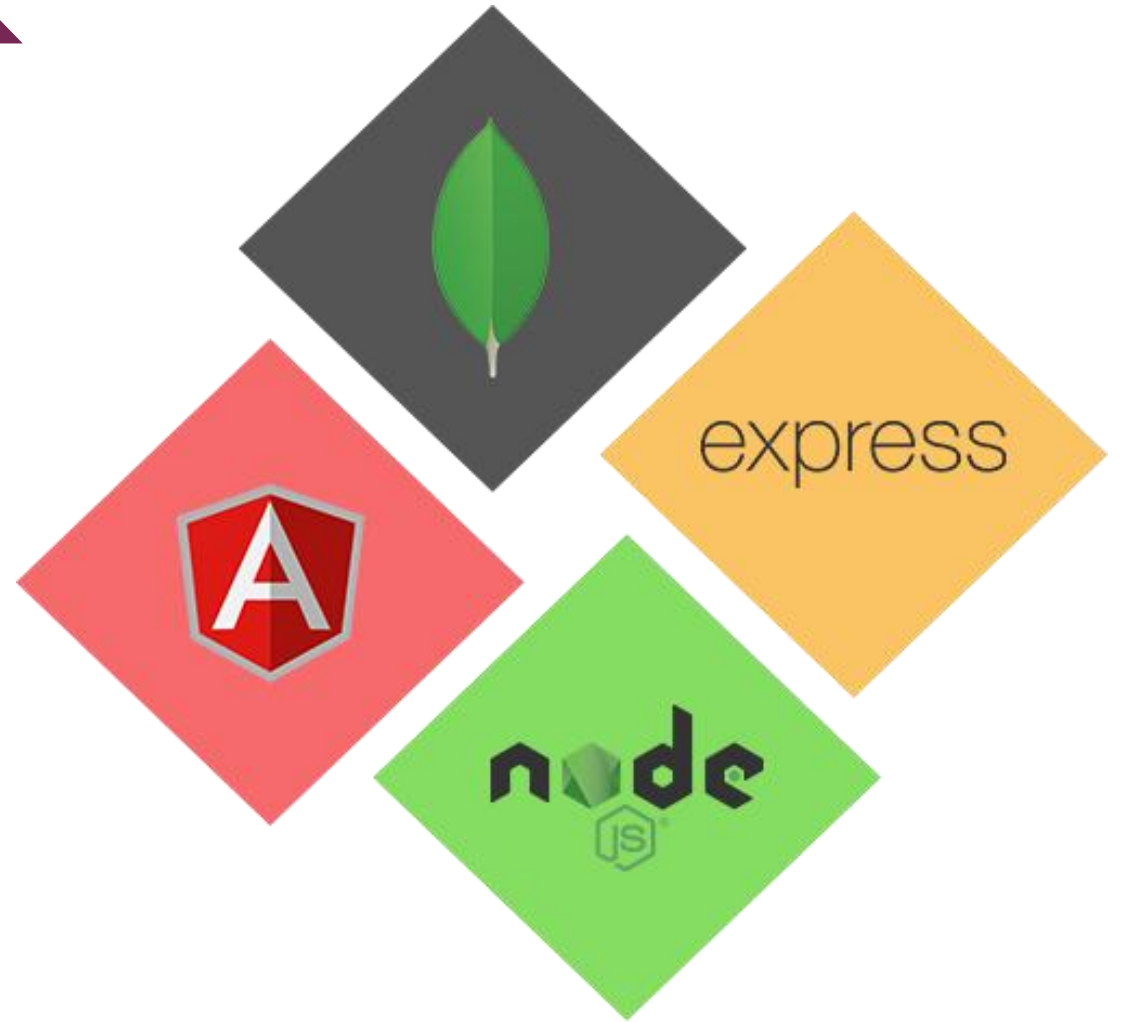Sell their products (Event specific)

Service Providers

Sell their Services

Technology Stack

- **Frontend: Angular (8)**
- **Backend: Node JS, Express**
- **Database: MongoDB**

RESTful API

Modular Programming..

- **Module based Development approch..**
- **8 Modules :**
  - **Home & Authentication**
  - **Service**
  - **Product**
  - **ServiceProvider**
  - **Seller**
  - **EventPlanner**
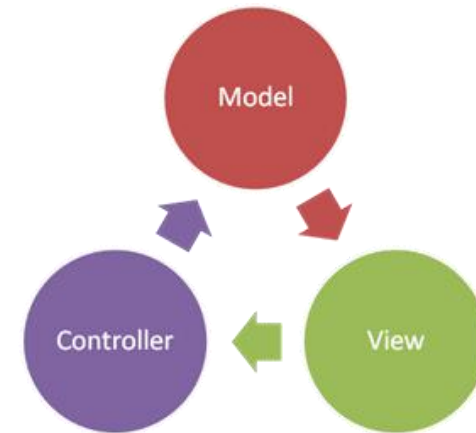 - **Event**
  - **Administrator**

Design Patterns & Architectures

Design Patterns Used..

MVC Architecture

- **Design Patterns Used..**

    – **Adaptor Design Pattern (Ex: Body parser, Multer)**

    – **Observer Design Pattern (Ex: Subjects/ Observables)**

    – **Singleton Design Pattern (Ex: Providers)**

- **OOP Concepts**

- **Code Formatting & Best Practises**

Other Libraries & Frameworks

Libraries/ Frameworks used..

- **Angular Material - UI Library**
- **Multer - Image uploading & handeling**
- **Body Parser - JSON object Parsing**
- **Mongoose - Secure MongoDB database controller**
- **JSON Web Tokens - Secure Authentication & Authorization**
- **Nodemailer - Email message handeling**
- **JsPDF & htmlCanvas - Report extracting & printing**
- **chart.js/ Mongo Charts - Reports & Charts visualization**
- **Node Corn - Schedule and Manage tasks**

APIs/ Services used..

- **Google Maps API (GeoCoder, Places, Metrix) - Location Services**

- **Google Cloud Storage API - Images & File Uploads/ Hosting**

- **PayPal API - Payment Collection, Recieving**

- **Heroku API & Services - Backend Application Hosting**

- **Socket.io - Socket Services for Realtime Chat, Notification Hadling**

Releases..

- **Web Based System Developed, Tested and Deployed**

    – **On Google Cloud App Engine (PaaS)**

- **Database Deployed on Cloud**

    - **Realtime, Clustered on MongoDB Atlas**

- **PWA (Prgressive web Application) Developed for Mobiles**

- **Complete Documentation (User Guides, Design, API Docs)**

http://evenza.biz

Demonstration

Requirements Specification(SRS)

ID	Functional Requirement	Status
1	Shall be able to create and manage user accounts	✅
2	Shall be able to login to the system	✅
3	Shall be able to create business profiles	✅
4	Shall be able to manage products/services (by service providers)	✅
5	Shall be able to search for products/services	✅
6	Shall be able to book/request appointments for services	✅
7	Shall be able to order products	✅
8	Shall be able to send cancellation/ modification requests for bookings/appointments	✅
9	Shall be able to respond for bookings/appointments	✅
10	Shall be able to provide a booking calendar for service providers.	✅
11	Shall be able to record booking and purchase history.	✅
12	Shall be able to get customer feedback.	✅

ID	Functional Requirement	Status
13	Shall be able to provide a set of event types toselect.	✅
14	Shall be able to get event details for selected event type from customers.	✅ ✅
15	Shall be able to generate an event plan for selected event type.	✅
16	Shall be able to show notifications related to eventplan.	✅
17	Shall be able to record event plan details.	✅
18	Shall be able to generate reports.	✅
19	Shall be able to send invitations to event participants.	✅
20	Shall be able to send event related notifications to participants.	✅
21	Shall be able to backup data.	✅
22	Should be able to get participants registered to the relevant event.	✅
23	Should be able to manage registered users.	✅
24	Should be able to receive payments.	✅

Thank You

Q & A