Reece Sheldon Mini Project - Cape Town Festival - Agenda

1. Introduction (2 min)

* Overview of the Cape Town Festival Mini Project
* Roles in the system:
  + Attendee (User)
  + Admin
* Tech stack: ASP.NET Core (C#), Firestore (NoSQL Database), Google APIs
* Key Features & Objectives
  + Goal was to make something that would add value to the users

2. Live Demonstration

A. User (Attendee) Experience (5 min)

1. Look at Home Page
2. Sign Up & Login
   * New users can create an account
   * Existing users can log in securely
3. Viewing Events
   * Browse events with:
     + Title
     + Description
     + Date & Time
     + Location (Google Maps & Street View Integration)
     + Category
     + Max Attendees & Seats Left
   * More info on Learn more Page
4. RSVP for an Event
   * Click RSVP → to confirm Attendance
   * Seats left calculation done on RSVP page (live with the Events Database)
   * View RSVP confirmation via E-Ticket & Email Confirmation
5. Account Home Page
   * Modify RSVP
     + Users can cancel or change RSVP before the event starts
   * Account home
     + Add event to Google Calendar & Apple Calendar
     + View directions via Google Maps
     + Look at E-Ticket
6. Event Ratings & Reviews
   * After the event, users can rate the event (stars + comment)
     + Completed in the AccountHome Page
   * No further interaction (no likes/replies)

B. Admin Experience (5 min)

1. Admin Login
   * Pre-assigned Admin logs into the dashboard
2. Create a New Event
   * Fill in details (title, description, date, time, location, category, etc.)
   * Upload an event image
3. Manage Events
   * Edit Existing Event
     1. All details can be modified,
     2. Controls in place in terms of dates
     3. Change photo is possible
   * Soft Delete for events
   * View RSVP list & attendee statistics
4. Automatic event Status Update feature
   * The field “Status” is compare to date Now. If the date passes, then the event goes previous and cannot be booked
5. Event Statistics & Reports
   * Total RSVPs vs. Max Attendees
   * Ratings & Feedback Overview
   * Popular Event Categories
   * List of Attendee (account holder email address + total guests coming)

3. Speak Firestore Database & Backend (3 min)

* Firestore Integration:
  + Events, RSVPs, Users are stored in Google Firestore (NoSQL)
  + Event status automatically updates when past the event date
  + Real-time updates for event changes
* How Data is Structured:
  + Collection: EventsCollection → Stores all event details
  + Collection: RSVPsCollection → Stores RSVP records
  + Collection: UsersCollection → Stores user profiles

4. Mention Additional Features (2 min)

* Email Notifications –
  + RSVP confirmation for
    - RSVPing,
    - editing a RSVP (customer)
* Event reminders
* Weather API
  + 5 days before shows weather
  + If greater than 5 day average is used
* E-Ticket System – Users get a QR-coded ticket via email (fake QR code)
* Google Maps
  + Directions
  + Street View
  + Static image (on learn more and E-Ticket)
* Calendar Integration
  + Apple Calendar download (.ics)
  + Google Calendar Integration

5. Closing & Questions (3 min)

* Open floor for questions