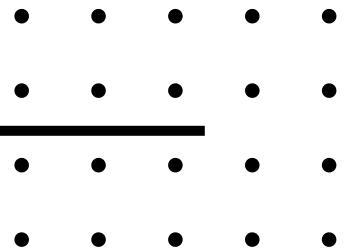

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DISEÑO TECNICO

Propuesta de Proyecto Web

Equipo::

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Arquitectura General

La aplicación se divide en dos capas principales:

- Frontend: desarrollado con Angular, responsable de la interfaz de usuario, rutas y componentes visuales.
- Backend: construido en Node.js + Express, que expone servicios REST para interactuar con la base de datos MongoDB.

Tecnologías Utilizadas

Frontend:

- Angular 17: Framework SPA para interfaz de usuario.

Backend

- Node.js + Express: Framework para API REST.

Base de datos

- MongoDB: Base NoSQL para almacenamiento.

Control de versiones

- Git + GitHub: Colaboración y control de código.

Organización del código fuente

Frontend:

- pages/ → componentes (Home, Ciudades, Login, etc.)
- services/ → servicios HTTP.

Backend

- models/ → esquemas Mongoose.
- routes/ → endpoints REST.
- server.js → configuración principal.
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ENDPOINTS

Autenticación / Usuarios

POST /api/auth/register
POST /api/auth/login
GET /api/users/me

Ciudades

GET /api/ciudades
GET /api/ciudades/:id
POST /api/ciudades
PUT /api/ciudades/:id
DELETE /api/ciudades/:id

Estadios

GET /api/estadios
GET /api/estadios/:id
GET /api/ciudades/:id/estadios
POST /api/estadios
PUT /api/estadios/:id
DELETE /api/estadios/:id

Favoritos

GET /favoritos
POST /favoritos
DELETE /favoritos/{id}

Hospedajes (hoteles)

GET /api/hospedajes
GET /api/hospedajes/:id
GET /api/ciudades/:id/hospedajes
POST /api/hospedajes
PUT /api/hospedajes/:id
DELETE /api/hospedajes/:id

Puntos turisticos

GET /api/restaurantes
GET /api/restaurantes/:id
GET /api/ciudades/:id/restaurantes
POST /api/restaurantes
PUT /api/restaurantes/:id
DELETE /api/restaurantes/:id

Reseñas

GET /api/reseñas?
entidad_tipo=hospedaje&entidad_id=123
POST /api/reseñas
PUT /api/reseñas/:id
DELETE /api/reseñas/:id

Login



Permite inicio de sesión de usuarios.

Registro



Formulario de creación de cuenta.

Home

A screenshot of the homepage for 'Guía Turística'. The top navigation bar includes links for Ciudades, Estadios, Hospedajes, Lugares, Favoritos, Publicar, and a search bar. The main banner features the text 'BIENVENIDO AL MUNDIAL 2026' and 'Explora las Mejores Ubicaciones Del País'. Below the banner are buttons for 'Explorar' and 'Ver Lugares'. On the right side, there's a sidebar with links for Inicio, Popular, Ciudades, Estadios, Hospedajes, and Lugares.

Muestra los destinos populares, categorías y animaciones.

Ciudades

The screenshot shows a dark-themed web page for 'Guía Turística'. At the top, there's a navigation bar with links for 'Ciudades', 'Estadios', 'Hospedajes', 'Lugares', 'Favoritos', 'Publicar', a search bar, and a 'Inicio' button. Below the header, a main title says 'Encuentra la mejor CIUDAD para visitar'. There are four cards displayed, each representing a restaurant in Mexico City (CDMX, México). Each card includes a small image, the name 'Restaurante Bon Appetit', a brief description ('Comida internacional con un toque gourmet.'), the location ('CDMX, México'), a comment section with a placeholder 'Comentarios...', a rating section with a yellow heart icon, and a feedback section with buttons for 'Incredíble atención al cliente' and 'Enviar'. A footer at the bottom of the cards area says 'Escribe un comentario...' and 'Enviar'.

Lista de ciudades sede con cards animadas e ícono de favoritos.

Estadios

This screenshot is similar to the one above, showing cards for restaurants in Mexico City. The layout includes the 'Guía Turística' logo, navigation bar, main title 'Encuentra el mejor ESTADIO para visitar', and four cards for 'Restaurante Bon Appetit'. Each card features a photo of food, the restaurant name, a brief description, the location, a comment section, a rating section with a yellow heart icon, and a feedback section with buttons for 'Incredíble atención al cliente' and 'Enviar'. A footer at the bottom of the cards area says 'Escribe un comentario...' and 'Enviar'.

Presenta los estadios del Mundial.

Hospedaje

This screenshot shows cards for hotels. The layout includes the 'Guía Turística' logo, navigation bar, main title 'Encuentra el mejor HOTEL para', and three cards for different establishments. The first card is for 'Café del Valle' in Monterrey, México, featuring a forest scene. The second card is for 'Heladería Aurora' in Guadalajara, México, featuring a rocky landscape. The third card is for 'Restaurante Bon Appetit' in Mexico City (CDMX, México), featuring a close-up of a flower. Each card includes a photo, the establishment name, a brief description, the location, a comment section, a rating section with a yellow heart icon, and a feedback section with buttons for 'Incredíble atención al cliente' and 'Enviar'. A footer at the bottom of the cards area says 'Escribe un comentario...' and 'Enviar'.

Muestra opciones de hoteles.

Lugares

The screenshot shows the 'Lugares' section of the Guía Turistica website. It features two main cards. The left card is for 'Restaurante Bon Appetit' in CDMX, Mexico, showing a photo of the Golden Gate Bridge and a night view of mountains. The right card is for another 'Restaurante Bon Appetit' in CDMX, Mexico, showing a night view of mountains. Both cards include a yellow heart icon in the top right corner.

Sitios turísticos destacados.

Favoritos

The screenshot shows the 'Favoritos' section of the Guía Turistica website. It displays two cards under the heading 'MIS FAVORITOS'. Both cards are for 'Restaurante Bon Appetit' in CDMX, Mexico, showing photos of food and a person eating. Each card has a pink heart icon in the top right corner.

Muestra los lugares guardados.

Publicar

The screenshot shows the 'Publicar' (Publish) section of the Guía Turistica website. It features a large central modal window titled 'Crear Publicación' (Create Publication). The form includes fields for 'Título' (Title), 'Descripción' (Description), 'Categoría' (Category), and 'Imagen' (Image). At the bottom of the modal are two buttons: 'Publicar' (Publish) in blue and 'Cancelar' (Cancel) in grey.

Formulario para crear publicaciones