Laguna Vista Project: Technical Requirements
Your Digital Canvas

Description:

The Laguna Vista Local Administration website is a new online platform to enhance communication with residents and visitors. It will serve as the town's primary digital channel for disseminating news, providing access to essential forms and documents, facilitating rental listings, and offering contact information for all departments and entities.

Dynamic Content:

Elements marked with (*) will be dynamically updated through the built-in Admin Console, ensuring freshness and accuracy of information.

Navigation:

A user-friendly navbar will serve as the main access point for all website features. It will be organized into clear and concise categories:

- Home: Landing page providing an overview of town news and government services.

- News: Latest announcements, press releases, and community updates (*).

- About Laguna Vista:

    o History: Timeline of significant events and milestones shaping the town's identity.

    o Municipal Council Members: Profiles and contact information for council representatives (*).

    o Vista Boards & Committees: Overview of governing bodies and their functions (*).

    o Advisory Board Videos: Recordings of informative sessions from advisory boards (*).

    o Calendar Events: Listing of upcoming community events and activities (*).

- Departments: Direct access to individual departments through dedicated pages:

    o City Hall

    o Fire Department

    o Building Department

    o Public Works

- o   Emergency Management

- o   Municipal Court

- o   Police Department

- o   Library

- Hotel Occupancy Tax (Hot): Information on the Hotel Occupancy Tax and its impact on Laguna Vista (*).

- Rentals: Listings of available rental properties within the town limits (*).

- Government Forms: Downloadable forms for various city services and permits (*).

- Contact: Comprehensive contact information for all departments and officials.

Homepage
(See Wireframe for visual references)

Hero Section:

- **F**ull-screen Carousel: Showcase stunning Laguna Vista landscape visuals with automatic slideshow and an optional arrow for manual navigation.

- Title and Subtitle: Display "Laguna Vista" in a prominent font with "Your Coastal Heaven" underneath in a complementary style.

- Overlay Filter: Maintain clear visibility of the title and subtitle over the changing carousel backgrounds.

Content Sections:

Mobile and Desktop/Tablet Variations:

- Adapt content layout dynamically based on device type to optimize user experience.

- Three customizable sections will display external URLs (except contact information) tailored for each view.

News in Laguna Vista:

- Feature a news carousel showcasing the latest published articles.

- Titles should be clickable, redirecting users to individual news pages.

- Include thumbnail images that preview the content, potentially embedded PDFs, with a clearly labeled "Read More" button leading to the full document download.

Static Content:

- Town of Laguna Vista: Present static textual information highlighting the town's essence.

- Rentals That Make You Feel at Home: Offer a search bar for users to locate rental listings, redirecting them to a dedicated Rentals page with filtered results for properties, realtors, and businesses in Laguna Vista.

Laguna Vista, Texas Government Forms:

- Display downloadable government forms (PDF format) uploaded and managed through the Admin Console.

- Enable administrators to add, update, and delete forms within the console.

- Categorize forms for easier browsing: Resolutions, Monthly Newsletter, Building Reports, Comprehensive Plan, Financial Documents, Quarterly Financial Reports, Franchise Agreements, 2011 Co Bonds.

- Provide a link to the Document Downloads page where users can further filter and access all available forms.

- Ensure titles of forms displayed on the homepage are clickable, directing users to the Document Downloads page.

Additional Sections:

- Your Complete Guide to the Town of Laguna Vista: Offer direct access to content pages (to be developed later) providing in-depth information about the town.

- View All Departments: List clickable titles and images representing individual department pages.

- Directory: Include static informational content.

- Contact Us:
    - Enable visitors to send inquiries via email to a designated address.
    - Store all contact requests within the Admin Console as a searchable table.
    - Allow exporting the contact request data as a CSV file.

News Page(*)

Purpose:

- Serve as a central hub for citizens to access the latest information regarding news, reforms, announcements, and hearings.

Features:

Visual Elements:

- Allow for uploading either standalone images or previews of attached documents.

- Display visual elements prominently within the news listing.

Document Attachment:

- Enable optional attachment of relevant documents to news posts.
- Provide a clear "Download" button for accessible retrieval of documents.

Individual News Pages:

- Direct users to individual pages for each news item upon clicking "Read More."
- Display full-size images, the news description, and a download button (if applicable).

Description Field:

- Mandate a description field for every news item to ensure context and clarity.

Navigational Filters:

- Facilitate easy discovery of news items by date, month, and year.
- Implement filters in a user-friendly and intuitive manner (e.g., dropdown menus, search bar).

Consistent Styling:

- Adhere to the website's overall aesthetics for visual cohesion and branding.
- Include a hero section, title, navbar, and footer on the News Page.

Content Pages

Description: These pages are informational but necessary pages across the website, they are mostly departmental, and they provide contact information for the citizens/visitors of Laguna vista.

Content Pages:

- City hall
- Building Department
- Emergency Management
- Fire Department
- Public Works
- Municipal Court
- Police Department
- Library
- Family Parks
- Hiking
- Golf Fields
- Fishing

Rentals & Local Businesses(*)

Purpose:

Guide potential residents and visitors to discover Laguna Vista's rental properties, trusted realtors, and reputable local businesses.

Features:

Local Businesses Carousel:

- Admin Console Integration: Allow easy adding, editing, and deletion of local business listings through the Admin Console.
- Listing Information: Enable uploading business logos, names, contact details (address, phone number, website), and brief descriptions.
- Interactive Design: Implement an engaging carousel to showcase featured businesses and encourage user browsing.

Realtors Carousel:

- Admin Console Management: Provide a dedicated section in the Admin Console for managing realtor profiles.
- Realtor Information: Allow realtors to upload profile pictures, titles, phone numbers, and email addresses.
- User Engagement: Encourage interaction through the realtor carousel, highlighting their expertise and contact information.

Property Search:

- Dynamic Listings: Populate the page with curated rental property listings automatically updated from the Admin Console.
- Search & Filter Options: Consider implementing search and filter functionalities to refine property options based on user preferences (price range, bedrooms, location, etc.).
- Featured Properties: Showcase outstanding rentals in a carousel or grid format, highlighting key features like photos, descriptions, price ranges, and associated brokers.
- Contact Functionality: Implement an "Email Inquiry" option attached to each property, automatically directing inquiries to the relevant broker's email address. This can be a simple HTML form pre-filled with the property information.
- Pagination: If the number of properties exceeds what can be displayed comfortably, implement pagination to enable users to easily navigate through all available listings.

Documents Page(*)

Description: This is a page Where the user is going to be able to see all documents and forms uploaded by the administrator, and download them.

Features:

- The Documents will be separated by Type
- All Documents are going to be downloadable
- Images are documents preview
- Documents can be replaced, edit(title/description) and deleted by the admin console.
- You can Search Documents By Name

Hotel Occupancy Tax (HOT)

Description: Hotel Occupance Tax (HOT) is a tax collected for all short-term rental (STR) stays of less than 30 consecutive days. The user is able to request this by filling a form we're going to provide through this page.

Features:

- A Special Form for HOT
- The form is a request we should get in a section within the admin console, the administrator should also get an email notification with all this information.
- This requests will be shown as Pending/solved. New requests are pending, and the status will be changed to solved manually.
- Information of this table should be exportable as CSV.

Events Calendar Page(*)

Description: This pages is similar in function as the news page, but shows next events, dates and descriptions.

Features:

- We can upload events information such as picture, date, description, location, title.
- As quick preview we can see title, picture, date, and location.
- Quick view will open a pop up with the same info + the description of the event.
- In the side bar the user will be able to search for events by name.
- In the side bar the user will be able to search for events by date.
- There's a calendar view to filter by date in the side bar.

Admin Console

Description: This is the place where the admin manages the content of the Website. All sections utilities have been detailed before.

Features:

- News Section
- Contact Requests Section
- Hotel Occupancy Section
- Realtors Section
- Rentals Section
- Local Businesses Section
- Documents Section
- Admin user administration (add new admins, change and manage password, decide what sections can they see in admin)
- Events Calendar Section
- Homepage Hero

Functional Requirements

The website will meet the following functional requirements:

- The website will be accessible to all users, including those with disabilities.

- The website will be responsive and will look good on all devices, including desktops, laptops, tablets, and smartphones.

- The website will be easy to navigate and use.

- The website will be secure and will protect user data.

Non-Functional Requirements

The website will meet the following non-functional requirements:

- The website will be performant and will load quickly.

- The website will be reliable and will be available 24/7.

- The website will be scalable and will be able to handle a large volume of traffic.

Acceptance Criteria

The website will be considered complete when it meets the following acceptance criteria:

- The website is accessible to all users, including those with disabilities.

- The website is responsive and looks good on all devices.

- The website is easy to navigate and use.

- The website is secure and protects user data.

- The website is performant and loads quickly.

- The website is reliable and is available 24/7.

- The website is scalable and can handle a large volume of traffic.

Additional Considerations

- The project will be managed using a project management methodology, such as Agile or Waterfall.

- The project team will be composed of experienced web developers, designers, and project managers.

- The project will be subject to change control procedures.

- The project will be communicated to stakeholders on a regular basis.

Figma Wireframe URL
https://www.figma.com/file/iuMdq0qa2OEVIlRCn6aXvi/LAGUNA-VISTA?type=design&node-id=0-1&mode=design