**Municipal Services App - Read Me**

**Project Folder**

* Extract the Project Folder

Find and extract the folder named MunicipalServicesApp.

**Open the Project**

From within the extracted folder open the project in Visual Studio.

* Alternatively open the solution file MunicipalServicesApp.sln directly.

**GitHub Repository**

You can also access the project on GitHub: MunicipalServicesApp GitHub

**Running the Project in Visual Studio**

* Start the Application
* Click the Start button to execute the project in Visual Studio.
* The application will open and may open as a cmd.exe window.

**Main Form**

**Home Page**

* Once opened, the home page will open which will state: "Welcome to Municipal Services App".

**Following are the selection on the main form:**

**Report Issues**

* Service Request Status (current not available)

**View Submitted Issues**

**Features**

* Report Issues
* Access Report Issues

You will select Report Issues from the main form.

**Submit the Report**

* Location: You will enter your current location.
* Category: You will choose one of the following for the category of the reported issue:
* Pothole
* Street light out
* Graffiti
* Other
* If "Other" is selected, please detail the problem more specifically.
* Describe Problem: Describe the problem with details if "Other" was selected
* Media Attachment
* Progress Bar: Shows your progress on the empty fields you filling and willing to submit.

You can attach your media files regarding the bug, for example, images

After attaching any media, you will be given a chance to review the attachment before submitting

**Submission**

**Click on the Submit button to send off your report**

* Till all fields marked with a star haven't been filled in, an error message will pop up which prevents you from submitting your report.
* Otherwise, click Go Back to cancel out of the report submission process.

**View Submitted Issues**

**How to Access Submitted Issues**

* From parent form, click View Submitted Issues.

**Viewing Records**

**In this tab are records of the issues you've submitted using the Report Issues feature.**

**You can view information for:**

* Location
* Category
* Description
* Media Path

**Local Events and Announcements**

1. **Viewing Events and Announcements:**
   * **The main interface displays a list of upcoming events and announcements.**
   * **Items are categorized, and colors indicate different types (e.g., Music, Art, Announcements).**
2. **Searching:**
   * **Select a category from the dropdown (comboBoxCategory).**
   * **Choose a date using the date picker.**
   * **Click the Search button to filter events or announcements by the selected category and date.**
3. **Adding Events and Announcements:**
   * **Events can be added programmatically in the InitializeEventsAndAnnouncements method. Modify the sample data as needed.**
4. **Deleting Events or Announcements:**
   * **Select an item from the list and click the Delete button to remove it.**
5. **Filtering and Sorting:**
   * **Use the Filter by Category, Sort by Date, Sort by Category, and Sort by Name buttons to organize the displayed items.**
6. **Viewing Recommendations:**
   * **The application tracks user search history. Recommendations are displayed based on popular searches for the selected date.**
7. **User Interaction:**
   * **Hover over items to highlight them.**
   * **Double-click an item to see more details via a message box.**

**Saving and Loading Search History**

* **The application automatically saves search history to a file named searchHistory.txt. This history is loaded when the application starts, allowing it to offer personalized recommendations.**

**Exit**

**Closing the Application**

* You can click on this to leave the application.
* The message comes up "Thank you! See you soon."
* On clicking OK on the message, the program closes.

**More on**

* Media Files: If you attach a media, please make sure the file format and the size is as per the supported media formats. The path given in "View Submitted Issues" reflects the path from where attachments are made. Thank you for using Municipal Services App!