**ReadME File**

**Overview**

This console application provides functionalities for managing different types of advertisements:

1. Set up data with predefined ads.
2. Display ad details.
3. Search, delete, renew, and archive ads.

**Features**

1. **Set Up Data**
   * Initializes the ad list with predefined Corporate, Standard, and FreeAd objects.
2. **Display Data**
   * Displays details of all ads in the list.
3. **Search by Ad Id**
   * Prompts for an Ad ID and displays the ad if found.
4. **Delete Ad**
   * Prompts for an Ad ID and deletes the ad if found.
5. **Renew Ad**
   * Prompts for an Ad ID and renews the ad if it is a renewable paid ad.
6. **Display Publication**
   * Prompts for a date and displays ads live on that date.
7. **Archive Ads**
   * Archives ads that have reached their archive date.

**Usage**

Run the application and select one of the functionalities from the menu.

**Menu Options**

1. **Set Up Data**
   * Initializes the ad list with predefined ads.
2. **Display Data**
   * Displays all ad details.
3. **Search by Ad Id**
   * Prompts for an Ad ID and displays the ad if found.
4. **Delete Ad**
   * Prompts for an Ad ID and deletes the ad if found.
5. **Renew Ad**
   * Prompts for an Ad ID and renews the ad if renewable.
6. **Display Publication**
   * Prompts for a date and displays ads live on that date.
7. **Archive Ads**
   * Archives ads that have reached their archive date.
8. **Exit**
   * Exits the application.

**Ad Types and Renewal Rules**

1. **FreeAd**
   * Active for 7 days, cannot be renewed.
2. **Standard**
   * Active for 14 days, can be renewed for an additional 7 days.
3. **Corporate**
   * Active for 20 days, can be renewed for an additional 14 days.
   * Supports additional images.