

## Generate a Google API Key

1. **Go to the Google Cloud Console:**
  - a. Visit [Google Cloud Console](#).
2. **Create a new project:**
  - a. In the top-left corner, click on the project dropdown
  - b. Click "New Project" and follow the prompts to create a new project.
3. **Navigate to APIs & Services > Credentials:**
  - a. In the left-hand sidebar, go to **APIs & Services > Credentials**.
4. **Create an API key:**
  - a. Click on **Create Credentials** at the top of the page.
  - b. Select **API Key** from the dropdown.
  - c. Google will generate an API key.
5. **Enable Necessary APIs:**
  - a. After creating the API key, ensure the necessary APIs are enabled for the project.
    - Maps JavaScript API
    - Geocoding API
    - Directions API
    - Distance Matrix API
  - b. Enable them from the **Library** section under **APIs & Services**.
6. **Copy the generated API key:**
  - a. Once the key is generated, it will be displayed in a pop-up window. Copy this key for use in the application.

**Billing:** Google Maps API requires setting up billing for your account. Usage is free up to a certain level.

After generating the API key and configuring the project, you can use the API key to run the scheduling program.