# CSV Report Console Application

## 1. Starting the Application

Open your terminal or command prompt.

Navigate to the folder containing the application.

Type: dotnet run

Press Enter. The application will start and load settings from appsettings.json.

## 2. Main Menu & Workflow

The application runs in a loop, guiding you through:

1. Reading CSV data

2. Choosing report format

3. Sending report via email

4. Viewing the report

5. Choosing to continue or quit

## 3. Step-By-Step Navigation

**Step 1 – CSV File Reading**

- The application automatically opens the CSV file path from appsettings.json.

- If the file is found, it loads book data.

- If there’s an error (e.g., missing file), it shows a message and asks you to fix it before retrying.

**Step 2 – Choose Report Format**

- You’ll see a prompt:

Select output format:

1. Plain Text

2. HTML

Enter your choice:

- Type 1 for Plain Text (good for quick console viewing).

- Type 2 for HTML (better for large datasets and emailing).

- Press Enter to confirm.

**Step 3 – Decide on Email Sending**

- You’ll see: Do you want to send this report via email? (Y/N):

- Type Y if you want to email the report.

- Type N if you only want to see it locally.

- If you choose Y and a recipient email is not set in appsettings.json, you’ll be asked:

Enter recipient email address:

- Type the email and press Enter.

**Step 4 – Viewing the Report**

- Plain Text → Shown in your console window immediately.

- HTML → Saved locally and emailed if chosen. The console will confirm the saved location.

**Step 5 – Continue or Quit**

- You’ll see: Do you want to process another CSV file? (C to Continue / Q to Quit):

- Type C → Restarts the process from Step 2.

- Type Q → Closes the application.

## 4. Quick Navigation Cheat sheet

|  |  |  |
| --- | --- | --- |
| Prompt Shown | Action to Take | Example Input |
| Select output format | 1 or 2 | 2 |
| Send report via email? | Y/N | Y |
| Enter recipient email address | Email address | user@example.com |
| Continue or Quit | C/Q | Q |

## 5. Tips for Smooth Use

1. Always ensure appsettings.json has correct CSV path and email settings.
2. Use HTML for large datasets — pagination makes it easier to read.
3. If email fails, check SMTP settings in appsettings.json.