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**Code Explanation of the JavaFX Application**

**Introduction**

This Java program is a **JavaFX application** designed to create a simple user form with a banner at the top. It allows users to input personal details such as name, father’s name, CNIC, date, gender, city, and an option to upload an image. The details entered by the user are stored in an ArrayList of Person objects.

**Code Description**

**1. Class Structure**

* HelloApplication**Class**: The main class extending Application, which is the entry point of any JavaFX application. It contains:
  + ArrayList<Person>: A list to store user inputs as Person objects.
  + start(Stage primaryStage) method: The main GUI setup code resides here.
* Person**Class**: A simple model class used to represent and store user data. It includes:
  + Fields for name, father name, CNIC, date, gender, and city.
  + A constructor to initialize these fields.
  + An overridden toString method for printing the object details.

**2. User Interface Layout**

* Banner: A **Label** styled as a banner, displayed at the top with text **"BANNER"**, using CSS styles for font size, color, and background.
* Form Layout:
  + Built using a **GridPane**, a flexible grid layout for organizing form fields in rows and columns.
  + Contains input fields:
    - **TextField**: For name, father’s name, CNIC, and city.
    - **DatePicker**: For selecting the date.
    - **ComboBox**: For selecting gender.
    - **Button**: For uploading an image and saving the form data.
* Main Layout:
  + A **VBox** layout combines the banner and form into a single vertical layout.

**3. Event Handling**

* **Save Button (**saveButton**)**:
  + Captures user input from all fields.
  + Creates a new Person object with the input data.
  + Adds the Person object to the personList.
  + Clears all form fields after saving.
  + Prints the Person object details to the console.

**4. Styling**

The application uses inline CSS for styling components:

* **Banner**: Styled with navy text color, bold font, and light blue background.
* **Form Layout**: Spacing and padding are added for better appearance.

**Code Output**

**1. GUI Layout**

When the program runs, the following interface is displayed:

* A banner at the top with "BANNER" in navy blue on a light blue background.
* A form below with input fields for:
  + Name, Father’s Name, CNIC, Date, Gender (Dropdown), City, and an Image upload button.
* A **Save** button to store the entered details.

**2. Sample Console Output**

When a user enters data and clicks "Save," it prints the details to the console. For example:

**Input Fields:**

* Name: Hammas Ullah
* Father Name: Zafar Hussain
* CNIC: 33302-5850451-7
* Date: 2024-11-22
* Gender: Male
* City: Kamalia

**Console Output:**

