**1️ Basic Flow of the Game**

1. **User Registration:** Users enter their name in a form and click **"Join the Draw"**.
2. **Lucky Draw Mechanism:** After a set interval (or on button click), the system picks a random winner.
3. **Winner Announcement:** The winner's name appears on the screen with animations and sound effects.
4. **Leaderboard Update:** The leaderboard stores and displays the winners.
5. **Repeat the Draw:** The process can be repeated to pick more winners.

**2. Frontend (HTML, CSS, JavaScript)**

**👨‍💻 User Interface Components**

✔ **Form to Enter Name** – Users type their name and submit.  
✔ **"Pick a Winner" Button** – Manually triggers the draw.  
✔ **Spinning Wheel Animation (Optional)** – Visually selects a winner.  
✔ **Winner Announcement Section** – Displays the selected winner with effects.  
✔ **Leaderboard Table** – Shows past winners ranked by number of wins.

**🔁 Frontend JavaScript Functionality**

* Store participants in an **array of objects** { name: "Alice", wins: 2 }
* Use **array loops** to check if a user is already in the game.
* Use Math.random() to **pick a random winner**.
* Use **if-else** conditions to prevent duplicate winners in a single round.
* Dynamically **update the leaderboard** after each draw.

**3️ Backend (Node.js, Express, JSON/MongoDB)**

**🗄 Backend API Endpoints**

| **Method** | **Endpoint** | **Functionality** |
| --- | --- | --- |
| POST | /join | Add user to the lucky draw list |
| GET | /draw | Pick a random winner from the list |
| GET | /leaderboard | Retrieve top winners |
| DELETE | /reset | Clear all participants and reset the game |

**🛠 Backend Logic**

* When a user **joins the draw**, their name is stored in a **database (MongoDB/JSON file)**.
* The **draw logic** fetches all participants and selects a winner using a **random function**.
* Winners are **stored in the leaderboard**, and their win count increases if they win multiple times.
* The system prevents duplicate names and **ensures fairness** using if-else conditions.

**4️ Bonus Features (Make it More Fun!)**

✅ **🎵 Sound Effects** – Play an exciting sound when a winner is chosen.  
✅ **🎨 Animations** – Use CSS/JS to make a spinning wheel effect.  
✅ **🕒 Auto Draw Timer** – Automatically picks a winner every 30 seconds.  
✅ **💎 Extra Entries** – Let users earn bonus entries by clicking a "Try Again" button.  
✅ **🌍 Multiplayer Mode** – Allow multiple users to join via WebSockets (real-time updates).