**Enhancements To The Project**

**📌 Voter Authentication**

✔ Add ***Spring Security*** for **login/logout** functionality.

✔ Use **JWT tokens** to secure **API calls**.

✔ **Prevents multiple votes** using **fraudulent accounts**.

**📌 Split the Monolith into Microservices**

**Break** the **Votezy App** into **separate services** such as:

* **Voter Service**
* **Candidate Service**
* **Voting Service**
* **Election Result Service**
* **Auth Service**

**Each service** runs **independently** and **communicates** via **REST** or **Feign**.

**📌 Multi-Election Support**

✔ Allow **voters** to **participate** in **multiple elections simultaneously** (e.g., **State Election + Centre Election**).  
✔ Each **election** will have **separate candidates and results**.

**📌 AI-Based Election Predictions**

✔ **Implement** an **AI model** to:

* **Predict election outcomes** based on **voter trends & historical data**.
* Identify **potential election fraud patterns**.

**📌 Admin Panel**

✔ A **separate Admin dashboard** where **administrators** can:

* **Allow admins** to **create elections with start/end time**.
* **Allow voting** only during the **scheduled time frame**.
* **Declare election results** manually

**📌 Voter Turnout Statistics**

✔ **Track** and **display**:

* **Total registered voters** vs. actual voters
* **Voting percentage** per election

**📌 Search and Filter**

* **Search candidates** by **name** or **party**.
* **Filter elections** by **year**, **status** (completed/ongoing).