

## **\*\*How to Write (Narrative)\*\***

### **1. Title**

- Ali Crypto House - Use Case Narrative

### **2. Actors**

- **User:** interacts with the web app via browser
- **CoinGecko API:** external service providing coin prices
- **PDF Generator (PDFKit):** system module generating portfolio reports

### **3. Description**

- “Ali Crypto House allows users to view live cryptocurrency prices, manage a portfolio, and get instant reports. Users can interact with the system through various actions, which trigger responses from the system.”

### **4. Use Case Narratives**

#### **Use Case: View Live Coin Prices**

- User opens the web page.
- The system fetches the latest BTC, ETH, and USDT prices from CoinGecko API.
- The system displays the prices and updates them every 2 seconds.

#### **Use Case: Add/Update Portfolio**

- User enters the amount of each coin they own.
- System receives input and stores it in portfolio.json.
- System calculates total portfolio value and shows emojis to indicate gains.

### **Use Case: Reset Portfolio**

- User clicks reset.
- System clears stored holdings and resets all values on screen.

### **Use Case: Refresh Prices & Quotes**

- User clicks refresh.
- System fetches latest prices and a random trade quote, updates the display, and shows emoji explosion.

### **Use Case: Download PDF Report**

- User clicks PDF button.
- System generates a PDF with current portfolio holdings and coin prices using PDFKit.
- PDF is sent back to the user for download.

### **Use Case: Search Feature (dummy)**

- User types in search.
- System shows a playful alert: “Oops! You are not one of the Chosen 😊”