### **📋 Assignment 3: Test Case Design Techniques on Real App Features**

#### **Feature Chosen: Login (Amazon/Flipkart)**

### **1️ Equivalence Partitioning (EP)**

| **Test Case ID** | **Input Type** | **Test Data** | **Expected Result** |
| --- | --- | --- | --- |
| EP\_TC\_01 | Valid email | user@example.com | Login successful |
| EP\_TC\_02 | Invalid email | user@com | Error: invalid email format |
| EP\_TC\_03 | Empty password | user@example.com + ‘’ | Error: password required |
| EP\_TC\_04 | Invalid password | user@example.com + 123 | Error: incorrect password |

### **2️ Boundary Value Analysis (BVA)**

| **Test Case ID** | **Boundary Type** | **Test Data** | **Expected Result** |
| --- | --- | --- | --- |
| BVA\_TC\_01 | Min email length | a@b.c | Login successful |
| BVA\_TC\_02 | Max email length | [255-char-email] | Login successful or trimmed |
| BVA\_TC\_03 | Min password len | 6 characters | Login successful if valid |
| BVA\_TC\_04 | Max password len | 20 characters | Login successful if valid |

### **3️ Decision Table**

| **Condition** | **Action** |
| --- | --- |
| Valid email + valid password | Login successful |
| Invalid email + any password | Show error: invalid email |
| Valid email + empty password | Show error: password required |
| Valid email + wrong password | Show error: incorrect password |