System actors:

Admin, customer, merchant

Subsystems

1. Authentication and Authorization
   1. **1.1.** Registration for Merchant (Actor-Merchant)
   2. **1.2**. Sign In (Actor - Admin,Merchant)
      1. **1.2.1**. Admin Sign In (Actor-Admin)
      2. **1.2.2.** Merchant Sign In (Actor-Merchant)
   3. **1.3**. Account Recovery (Actor - Admin,Merchant)
      1. **1.3.1** Admin Account Recovery(Actor-Admin)
      2. **1.3.2** Merchant Account Recovery (Actor-Merchant)
2. Customer Activity Management (Actor-Customer,Admin)
   1. **2.1**. Transaction Query (Actor-Customer)
   2. **2.2**. Customer Notification (Actor-Customer, Admin)
3. Merchant Activity Management (Actor-Merchant, Admin)
   1. **3.1**. Money Withdraw Request Processing (Actor-Mechant,Admin)
   2. **3.2.** Customer Transaction Query Processing (Actor-Merchant)
      1. **3.2.1**. Displaying Data on Dashboard (Actor-Merchant)
      2. **3.2.2**. Query-Based Data Sorting and Displaying on Dashboard (Actor-Merchant)
   3. **3.3.** Viewing Transfer Transaction History (Actor-Merchant)
   4. **3.4**. Notification Receiving (Actor-Merchant, Admin)
   5. **3.5**. Report Generation (Actor-Merchant)
4. Admin Activity Management
   1. **4.1**. Merchant Request Approval Processing and Viewing Merchant Details (Merge with 1.1)
   2. **4.2.** Creating Custom Notification (Actor-Admin, Merchant,User)
      1. **4.2.1**. Creating Custom Notification for Merchant (Actor-Merchant)
      2. **4.2.2**. Creating Custom Notification for User (Actor- User)
   3. **4.3**. Merchant Withdraw Request Processing (Will be Merged with 3.1)
   4. **4.4**. Customer Transaction Query Processing (Actor-Admin)
      1. **4.4.1**. Displaying Data on Dashboard (Actor-Admin)
      2. **4.4.2**. Query-Based Data Sorting and Displaying on Dashboard (Actor-Admin)
   5. **4.5**. Report Generation (Actor-Admin)
5. SDK Activities

\*\*\* To be defined by implementation team

note:Authentication kortechi (samima aktar)