**Use Case Template**

**Use Case ID:** UC-01  
**Use Case Name:** Create Monthly Budget  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User (Budgeter) |
| **Description** | Allows users to set up monthly budgets for specific spending categories. |
| **Preconditions** | 1. User is logged in.2. At least one wallet is linked. |
| **Postconditions** | 1. Budget saved.2. Alert tracking enabled. |
| **Priority** | High |
| **Frequency of Use** | Monthly or as needed |
| **Normal Course of Events** | 1. Navigate to Budget section.2. Select category.3. Enter amount.4. Save. |
| **Alternative Courses** | AF-1: Edit existing budget.AF-2: Create recurring budget. |
| **Exceptions** | EX-1: Invalid amount input. |
| **Includes** | None |
| **Special Requirements** | Budget alerts and real-time update. |
| **Assumptions** | Budget data is stored securely. |
| **Notes and Issues** | UI must support category color coding. |

**Use Case ID:** UC-02  
**Use Case Name:** Send Money  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User (Sender) |
| **Description** | Securely transfer funds to another user. |
| **Preconditions** | 1. Logged in.2. Sufficient funds.3. Valid recipient. |
| **Postconditions** | 1. Funds transferred.2. Notification sent.3. History updated. |
| **Priority** | High |
| **Frequency of Use** | Multiple times daily |
| **Normal Course of Events** | 1. Select “Send Money.”2. Enter recipient.3. Enter amount.4. Authenticate.5. Confirm transaction. |
| **Alternative Courses** | AF-1: Schedule transfer.AF-2: Save recipient. |
| **Exceptions** | EX-1: Insufficient funds.EX-2: Invalid recipient.EX-3: Auth failure. |
| **Includes** | UC-03 (Authentication) |
| **Special Requirements** | Real-time and secure. |
| **Assumptions** | Stable connection. |
| **Notes and Issues** | Support future international transfers. |

**Use Case ID:** UC-03  
**Use Case Name:** View Transaction History  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Review, filter, and export transaction logs. |
| **Preconditions** | User is logged in. |
| **Postconditions** | Logs are displayed or exported. |
| **Priority** | Medium |
| **Frequency of Use** | Daily |
| **Normal Course of Events** | 1. Navigate to History.2. Apply filters.3. View or download. |
| **Alternative Courses** | AF-1: Download PDF or CSV. |
| **Exceptions** | EX-1: No records found. |
| **Includes** | None |
| **Special Requirements** | Filters by date, category. |
| **Assumptions** | Logs retained for 12 months. |
| **Notes and Issues** | Add trend graphs in future. |

**Use Case ID:** UC-04  
**Use Case Name:** Request Money  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User (Requester) |
| **Description** | Request funds from another user. |
| **Preconditions** | Recipient has wallet.Sender is known. |
| **Postconditions** | Request is sent and processed. |
| **Priority** | Medium |
| **Frequency of Use** | Occasionally |
| **Normal Course of Events** | 1. Enter recipient.2. Set amount.3. Send request.4. Await approval. |
| **Alternative Courses** | AF-1: Cancel request. |
| **Exceptions** | EX-1: Recipient rejects or lacks funds. |
| **Includes** | Notification system |
| **Special Requirements** | Expiration after 24 hours. |
| **Assumptions** | Request is logged. |
| **Notes and Issues** | Future: recurring requests. |

**Use Case ID:** UC-05  
**Use Case Name:** Set Up Recurring Transfers  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Automate routine transfers to specific users. |
| **Preconditions** | Saved recipient. |
| **Postconditions** | Transfer is scheduled. |
| **Priority** | Medium |
| **Frequency of Use** | Monthly or weekly |
| **Normal Course of Events** | 1. Choose recipient.2. Set schedule.3. Confirm. |
| **Alternative Courses** | AF-1: Cancel scheduled transfer. |
| **Exceptions** | EX-1: Insufficient funds on trigger date. |
| **Includes** | UC-02 (Send Money) |
| **Special Requirements** | Alert before execution. |
| **Assumptions** | Time-based scheduler. |
| **Notes and Issues** | Add “pause” function in future. |

**Use Case ID:** UC-06  
**Use Case Name:** Add a New Wallet  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Link an external wallet (e.g., Apple Pay, Google Wallet) to the system. |
| **Preconditions** | User is logged in.External wallet account exists. |
| **Postconditions** | New wallet is linked and available for use. |
| **Priority** | Medium |
| **Frequency of Use** | Occasionally |
| **Normal Course of Events** | 1. Navigate to Wallet Management.2. Select “Add Wallet.”3. Choose provider.4. Authenticate and confirm. |
| **Alternative Courses** | AF-1: Cancel linking. |
| **Exceptions** | EX-1: Wallet provider API fails.EX-2: Invalid login. |
| **Includes** | Secure API integration. |
| **Special Requirements** | OAuth 2.0 or equivalent secure integration. |
| **Assumptions** | Wallet provider is available. |
| **Notes and Issues** | Add support for crypto wallets in future. |

**Use Case ID:** UC-07  
**Use Case Name:** Change Default Wallet  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Change the default wallet used for transactions. |
| **Preconditions** | User has at least two wallets linked. |
| **Postconditions** | Default wallet is updated. |
| **Priority** | Medium |
| **Frequency of Use** | Occasionally |
| **Normal Course of Events** | 1. Go to Wallet Settings.2. Select new default.3. Confirm with PIN. |
| **Alternative Courses** | AF-1: User cancels change. |
| **Exceptions** | EX-1: Selected wallet unavailable. |
| **Includes** | UC-03 (Authentication) |
| **Special Requirements** | Wallet must be active. |
| **Assumptions** | Wallet switching is instantaneous. |
| **Notes and Issues** | Consider “smart default” in future. |

**Use Case ID:** UC-08  
**Use Case Name:** Generate Spending Insights  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Generate visual insights and financial analysis reports. |
| **Preconditions** | User has recorded transactions. |
| **Postconditions** | Insights are shown and can be exported. |
| **Priority** | Medium |
| **Frequency of Use** | Monthly or as needed |
| **Normal Course of Events** | 1. Navigate to Insights.2. Choose timeframe.3. View results.4. Export if needed. |
| **Alternative Courses** | AF-1: Filter by category. |
| **Exceptions** | EX-1: No data for selected period. |
| **Includes** | Graph generation module. |
| **Special Requirements** | Export as PDF, pie/bar chart views. |
| **Assumptions** | Data analytics module active. |
| **Notes and Issues** | Add savings goals tracking in future. |

**Use Case ID:** UC-09  
**Use Case Name:** Resolve Transaction Dispute  
**Created By:** Taha Samir Amr Alabyad  
**Last Updated By:** Taha Samir Amr Alabyad  
**Date Created:** [Insert Date]  
**Date Last Updated:** [Insert Date]

| Field | Description |
| --- | --- |
| **Actor** | User |
| **Description** | Allows users to report and track issues with a transaction. |
| **Preconditions** | Disputed transaction must exist in history. |
| **Postconditions** | Dispute ticket is opened and logged. |
| **Priority** | High |
| **Frequency of Use** | Occasionally |
| **Normal Course of Events** | 1. Open transaction history.2. Select transaction.3. Submit dispute.4. Admin reviews.5. User notified. |
| **Alternative Courses** | AF-1: User cancels ticket. |
| **Exceptions** | EX-1: Transaction not eligible for dispute. |
| **Includes** | Admin interface, ticket system. |
| **Special Requirements** | Must comply with legal standards. |
| **Assumptions** | Admin response within 48 hours. |
| **Notes and Issues** | Add chat with support in future. |