

Firstly, I will start by selecting key questions for gathering requirements:

- What is the main purpose of the commission module?
- Who will be the primary user of this system?
- What key features do you expect for commission setup?
- Should standalone and group commissions have separate workflows?
- Are there any regulatory or compliance constraints?
- What is the delivery timeline, and are there critical deadlines?
- What are the expected performance standards (e.g., response times)?
- How should the commission data be validated?
- What type of reports or analytics are needed?

Next, I will schedule a meeting with stakeholders. After the meeting, I will begin analyzing and clarifying the requirements, followed by creating a detailed Business Requirements Document (BRD). I will then validate the requirements with stakeholders.

Following validation, I will collaborate with developers on technical feasibility, asking:

- What challenges exist for backend (BE) and frontend (FE)?
- Which database architecture should we use, or is it predefined (e.g., MongoDB, PostgreSQL)?
- What are the best practices?
- Which fields are critical in the payload and response?
- What edge cases could lead to errors (e.g., transactions from different geo and time zones)?

I will break the module into detailed features (commission types, geo zones, currency handling, etc.). For each feature, I will write user stories and acceptance criteria.

Example user story:

As an operations team member, I should be able to select commission rate and geo zone from the UI.

Acceptance criteria:

- The user can select a commission rate from a predefined dropdown or enter it manually.
- The system validates that the percentage is positive.
- The user can select a geo zone from a predefined dropdown.
- Upon submission, the system shows whether the action was successful or not.

Example payload:

```
{
  "commission_type": "standalone",
  "time_period": {
    "start_date": "20240101",
    "end_date": "20241231"
  },
  "currency": "USD",
  "geo_zone": "North America",
  "commission_rate": {
    "type": "percentage",
    "value": 5
  },
  "transaction_types": ["money_transfer", "currency_exchange"],
  "threshold": {
    "min_amount": 1000,
    "max_amount": 5000
  }
}
```

Example response:

```
{
  "status": "success",
  "message": "Commission structure created successfully",
  "commission_id": 12345,
  "data": {
    "commission_type": "standalone",
    "time_period": {
      "start_date": "20240101",
      "end_date": "20241231"
    },
    "currency": "USD",
    "geo_zone": "North America",
    "commission_rate": {
      "type": "percentage",
      "value": 5
    },
    "transaction_types": ["money_transfer", "currency_exchange"],
    "threshold": {
      "min_amount": 1000,
      "max_amount": 5000
    }
  }
}
```

After creating user stories and acceptance criteria, I will collaborate with the **Product Owner (PO)** to prioritize the user stories based on their business value. We will determine which stories are essential and in what order they should be implemented.

Next, I will collaborate with the development team to estimate how long each feature will take to complete. We will assign **story points** or provide an estimate in **days or hours** for each feature to help with sprint planning and resource allocation.

Example Application and Code Repository

As a demonstration of the concepts and processes described in this assignment, I have developed example **Commission Management App**.

- **Live Demo:** [Commission App](#)
- **GitHub Repository:** [Source Code on GitHub](#)

This app showcases the ability to set commission rates, handle geo zones, and manage various currencies, along with a responsive frontend and backend integration using Flask.