**Member Management-HLD**

1.**Introduction**

* Brief overview of Member Management system.

2. **Scope**

* Member Registration.
* Member profile management.

3. **functional Requirements**

* Member registration with email verification.
* Member profile management(editing details, upload profile picture etc. )
* Change Email Address

**4.Module**

* Member registration
* Profile editing
* Change Email Address

**5.Flow for Member Management**

**Member Registration Flow**

* Member initiate registration
* System sends email verification request
* Member verifies email
* User account is activated

**Member** **Profile Management Flow**

* Member logs in
* Member accesses profile settings
* Member updates profile details
* Changes are saved in the system

**Member Change Email Address**

* Member initiate change email address
* Put both old and new email Ids
* OTP will be sent to both address
* Member has to provide both OTPs
* After successful validation new email id will be saved in the system

**6**. **Entity**

* Member
* Profile
* Email Address

**7.Class Diagram For Member Management System**

**Classes:**

1. **Member**
2. **Attributes**: memberId, email, password
3. **Methods**:register(), updateProfile()
4. **Profile**

1.**Attributes**: profileId, memberId, email,profilePicture

**3. Email**

1. **Attributes**: oldEmailId, newEmailId, OTPForOldEmail, OTPForNewEmail
2. **Methods**: changeEmail()

**Relationships**:

1. **Member-Profile**

* **Association**: One Member has one profile

1. **Member-Email**

* **Association**: One Member has one EmailId