**Email Service Provider**

**(Team B)**

**NABEEL TARIQ**

|  |  |  |  |
| --- | --- | --- | --- |
| **UC#** | **Name** | **Request Parameters** | **Response Parameters** |
| UC-1 | Sign up | * Name * Email * Password | * Upon Success: Merchant Account Created(JSON) * Upon Failure: Unable to create Merchant Account. * (JSON) |
| UC-2 | Log in | * Email * Password | * Upon Success: Successful login. (JSON) * JWT Token (JSON) * Upon Failure: Login Failed(JSON) |
| UC-3 | Validate Token | * JWT Token | * Upon Success:   Access Granted (JSON)  User Details (JSON)   * Upon Failure:   Access Denied (JSON) |
| UC-4 | Send Email | * From * To * Cc * Bcc * Subject * Description | * Upon Success: Email Sent Successful!.   (JSON)   * Upon Faliure: Email Sent Unsuccessful!.   (JSON) |
| UC-5 | Add Secondry User | * Name * Email * Password * Access Role | * Upon success: Add Secondry User Successful! (JSON) * If not Added: Add Secondry User UnSuccessful! (JSON) |
| UC-6 | Stripe Payment | * Number * CVC * Amount | * Upon Success: Balance recharge Successful! (JSON) * Upon failure: UnSuccessful Transaction!. |

**Database**

* **MYSQL**database will be used.
* Database will contain two tables.

1. Admin
2. Merchant
3. Secondary User
4. Request
5. transactions

**Admin Table**

|  |  |  |  |
| --- | --- | --- | --- |
| Id INT(11) AUTO\_INCREMENT PK | Name  Varchar(255) | Email  Varchar(255) REQUIRED | Password  Varchar(255) REQUIRED |

**Merchant Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id INT(11) AUTO\_INCREMENT | Name  Varchar(255) | Email  Varchar(255) | Password  Varchar(255) | Token  Varchar(500) | Credit Float |

**Request Table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Id INT(11) AUTO\_INCREMENT | Merchant\_id  Foreign Key INT(11) | From\_email  Varchar(50) | To\_email  Varchar(50) | Cc  Varchar(50) | bcc  Varchar(50) | Subject  Varchar(50) | body  Varchar(50) |

**Secondry User Table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Id INT(11) AUTO\_INCREMENT | Name  Varchar(255) | Email  Varchar(255) | Password  Varchar(255) | Listing  Bool | Billing  Bool | Send email  bool | Merchant\_id  Foreign Key INT(11) |

**Transactions Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Id INT(11) AUTO\_INCREMENT | Balance  Float | Merchant\_id  Foreign Key INT(11) | CR/DB  Bool | Payment Time  Timestamp() |

**Tools & Technologies**

1. **POSTMAN** will be used to test the end points.
2. **GITHUB** will be used for collaboration and resource sharing.
3. **MYSQL** will be used as DB.
4. **PHP** will be used for server scripting.
5. **APACHE** will be used as local server.
6. **JWT** Token is used for Sharing Information between API’s and Server.
7. **Mailjet** is used for email service integration.
8. **Stripe** Api is used for perform transactions.