**Email Sending Service**

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**(Team B)**

**Merchant:**

Merchant can register, login, forget password, view profile, send emails, list emails, add sec merchant, list sec merchant, do payment, check billing info.

| **UC#** | **Name** | **Request Parameters** | **Response Parameters** |
| --- | --- | --- | --- |
| UC-1 | Sign up | * Email * Password * Confirm password * Image upload (optional) | * Upon Success: Sign up completed (JSON) * Upon Failure: Passwords do not match (JSON) |
| UC-2 | Log in | * Email * Password | * Upon Success: Signed in (JSON) * Upon Failure: Invalid credentials / No user found (JSON) |
| UC-3 | Forgot password | * Email | * PHP script will receive email, validate it with DB record and if true, it will generate random number and return it (JSON) * This number will be sent as parameter to another end point “set password” along with new password and confirm password in ‘Set Password’ use case |
| UC-4 | Send Email | * Reference * webhook\_url * From * To * CC * BCC * Subject * Body | * Upon Success: Data added into database * If any required field is empty: insufficient parameters provided (JSON) * If Wrong Email Format: Invalid Email Format (JSON) |
| UC-5 | Add secondary merchant | * Email * Name * Role | * Upon Success: Secondary merchant successfully added and login credential send on his email * If Wrong Email Format: Invalid Email Format (JSON) |
| UC-6 | List secondary merchant | * No parameter | * Record of all his secondary merchant |
| UC-7 | List emails | * No parameters | * Records of all emails (JSON) |
| UC-8 | Payment | * Payment amount * Payer detail * Card Number * Card Expiry * Card Cvc * Payment time | * Upon Success: Paymed done, update payment filed in database |
| UC-9 | Billing info | * No parameter | * Show all billing details |
| UC-10 | View Profile | * No parameters | * Show data of user |

**Sec Merchant:**

As the Merchant added a secondary merchant and assigned them roles like sec merchant can only see emails, can only send emails, can do payment.

| **UC#** | **Name** | **Request Parameters** | **Response Parameters** |
| --- | --- | --- | --- |
| UC-1 | List emails | * No parameters | * Records of all emails (JSON) |
| UC-2 | Send emails | * Reference * webhook\_url * From * To * CC * BCC * Subject * Body | * Upon Success: Data added into database * If any required field is empty: insufficient parameters provided (JSON) * If Wrong Email Format: Invalid Email Format (JSON) |
| UC-3 | Payment | * Payment amount * Payer detail * Card Number * Card Expiry * Card Cvc * Payment time | * Upon Success: Paymed done, update payment filed in database |

**Admin:**

Admin can see all merchants, secondary users, request and billing info and payments.

| **UC#** | **Name** | **Request Parameters** | **Response Parameters** |
| --- | --- | --- | --- |
| UC-1 | List all merchant | * No parameter | * Record of all merchant |
| UC-2 | List secondary merchant | * No parameter | * Record of all his secondary merchant |
| UC-3 | List emails | * No parameters | * Records of all emails (JSON) |
| UC-4 | Billing info | * No parameter | * Show all billing details |

**Database**

* **MYSQL** database will be used.
* Database will contain 4 tables.
* Admin
* Merchant
* Secondary Merchant
* Payment info
* Response
* Request

**Admin**

| admin\_Id INT(5) AUTO\_INCREMENT PK | Name  Varchar(50) | Email  Varchar(50) REQUIRED | Password  Varchar(25) REQUIRED |
| --- | --- | --- | --- |

**Merchant**

| Merchant\_Id INT(5) AUTO\_INCREMENT | Name  Varchar(50) | Email  Varchar(50)  REQUIRED | Password  Varchar(25) REQUIRED | Credit amount  (Default 50) | Token  (Default null) | Join date  (Auto put) |
| --- | --- | --- | --- | --- | --- | --- |

**Secondary Merchant**

| Sec\_Mer\_Id INT(5) AUTO\_INCREMENT | Merchant\_Id INT(5)  Foreign Key | Name  Varchar(50) | Email  Varchar(50)  REQUIRED | Password  Varchar(25) REQUIRED | Email\_send\_role  (Default 0) | Email\_list\_role  (Default 0) | Payment\_role  (Default 0) | Token  (Default null) | Join date  (Auto put) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Payments**

| Payment\_Id INT(5) AUTO\_INCREMENT | Payer\_Name  Varchar(50) | Payer\_id  Varchar(50)  Foreign key | Payment\_amount  Varchar(25) REQUIRED | Payment\_date  Date |
| --- | --- | --- | --- | --- |

**Request**

| Request\_id INT(5) AUTO\_INCREMENT | requester\_id  Varchar(50) | from  Varchar(50)  REQUIRED | to  Varchar(25) REQUIRED | cc  Varchar(25) | bcc  Varchar(25) | subject  Varchar(25) | body  Varchar(25)  required |
| --- | --- | --- | --- | --- | --- | --- | --- |

**Response**

| Response\_id INT(5) AUTO\_INCREMENT | requester\_id  Varchar(50) | description  Varchar(255)  REQUIRED | status  Varchar(25)  REQUIRED |
| --- | --- | --- | --- |

**Tools & Technologies**

* **POSTMAN** will be used to test the end points.
* **GITHUB** will be used for collaboration and resource sharing.
* **MYSQL** will be used as DB.
* **PHP** will be used for server scripting.
* **Auth**
* **Strip**
* **Cron Jobs**