Project Mom and Pop Gift Card APIs v1.0
Deployment Guide

Revision History

Author	Revision Number	Date
TCSASSEMBLER	1.0	2015-01-25

Deployment Instructions

1 Organization of Submission

controller – contains the controller files
doc – contains the deployment guide (this document)
helpers – contains the helper files
models – contains the mongoose model files
services – contains the service files
test_files – contains files for initial DB
config.js – contains all config
package.json – contains required packages
server.js – The main script to start
Project-Mom-GiftCard.json.postman_collection – the collection for Postman to testing API
Project-Mom-GiftCard.postman_environment – the environment for Postman

2 Application Setup

2.1 config.js File

Property Name	Description	Example Setting
MONGODB_URL	Database URL	"mongodb://127.0.0.1:27017/project-mom"
MONGODB_CONNECTION_POOL_SIZE	Database pool size	50
WEB_SERVER_PORT	Host port	3000
DEFAULT_SORT_BY	Sort by	
DEFAULT_SORT_ORDER	Sort order	"Ascending" or "Descending"
DEFAULT_PAGE_SIZE	Page size	5
QR_CODE_SIZE	QrCode size	16
DEFAULT_REDEEME_AMOUNT	Redeeme amount	20

3 Database Setup

Tests will initial DB data automatically. Please note it will not clear data from DB after testing. Because I want to use it for web verify later.

4 Deployment Instructions

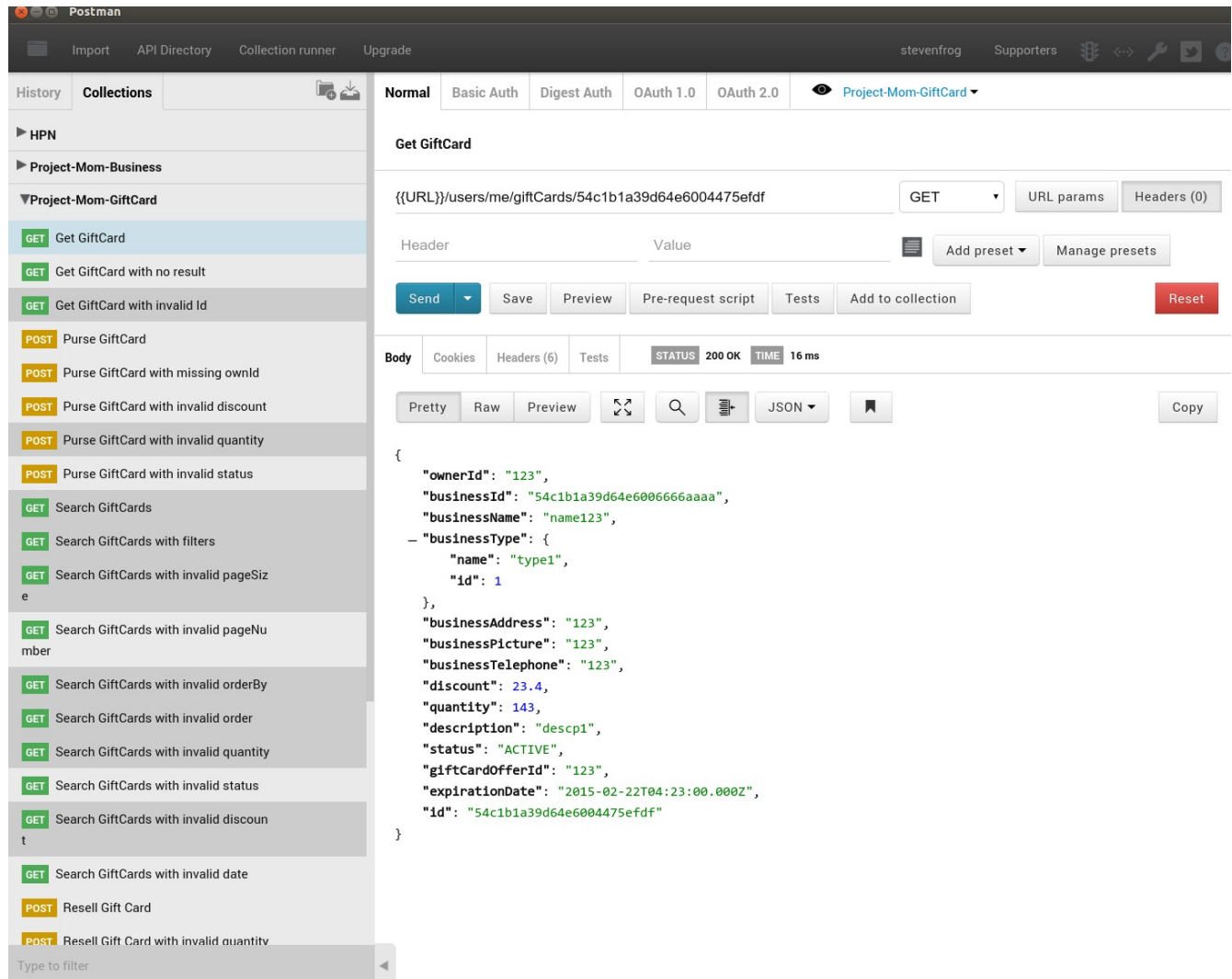*You just need run "npm install" to install all dependence.*

5 Verification

5.1   RESTful function

Run "node server.js" to start server first, and then you can use Postman to test all API.

Import ***Project-Mom-GiftCard.json.postman_collection*** and ***Project-Mom-GiftCard.postman_environment,*** then you can use Postman directly.

For Get GiftCard:

And if item is not exist:

History	Collections		🗐📥
▶ HPN			
▶ Project-Mom-Business			
▼Project-Mom-GiftCard			
GET	Get GiftCard		
GET	Get GiftCard with no result		
GET	Get GiftCard with invalid Id		
POST	Purse GiftCard		
POST	Purse GiftCard with missing ownId		
POST	Purse GiftCard with invalid discount		
POST	Purse GiftCard with invalid quantity		
POST	Purse GiftCard with invalid status		
GET	Search GiftCards		
GET	Search GiftCards with filters		
GET	Search GiftCards with invalid pageSize		

Normal Basic Auth Digest Auth OAuth 1.0 OAuth 2.0 👁 Project-Mom-GiftCard ▾

Get GiftCard with no result

{{URL}}/users/me/giftCards/54c1b1a39d64e6004475aaaa   GET ▾   URL params   Headers (0)

Header   Value   Add preset ▾   Manage presets

Send ▾   Save   Preview   Pre-request script   Tests   Add to collection   Reset

Body Cookies Headers (6) Tests   STATUS **404 Not Found** TIME 10 ms

Pretty Raw Preview   JSON ▾   Copy

"GiftCard is not found with id: 54c1b1a39d64e6004475aaaa"

Purse GiftCard:

History	Collections		🗐📥
▶ HPN			
▶ Project-Mom-Business			
▼Project-Mom-GiftCard			
GET	Get GiftCard		
GET	Get GiftCard with no result		
GET	Get GiftCard with invalid Id		
POST	Purse GiftCard		
POST	Purse GiftCard with missing ownId		
POST	Purse GiftCard with invalid discount		
POST	Purse GiftCard with invalid quantity		
POST	Purse GiftCard with invalid status		
GET	Search GiftCards		
GET	Search GiftCards with filters		
GET	Search GiftCards with invalid pageSize		
GET	Search GiftCards with invalid pageNumber		
GET	Search GiftCards with invalid orderBy		
GET	Search GiftCards with invalid order		
GET	Search GiftCards with invalid quantity		
GET	Search GiftCards with invalid status		
GET	Search GiftCards with invalid discount		
GET	Search GiftCards with invalid date		
POST	Resell Gift Card		
POST	Resell Gift Card with invalid quantity		
	Type to filter		

Normal Basic Auth Digest Auth OAuth 1.0 OAuth 2.0 👁 Project-Mom-GiftCard ▾

Purse GiftCard

{{URL}}/giftCards   POST ▾   URL params   Headers (2)

Authorization   {{API_TOKEN}}   Add preset ▾   Manage presets
Content-Type   application/json
Header   Value

form-data x-www-form-urlencoded **raw** binary   JSON (application/json) ▾

```
1  {
2    "ownerId":"345",
3    "businessId":"789",
4    "businessName":"334",
5    "businessType":1,
6    "businessAddress":"897",
7    "businessPicture":"556",
8    "businessTelephone":"876",
9    "discount":12.3,
10   "quantity":33,
11   "description":"descp1",
```

Send ▾   Save   Preview   Pre-request script   Tests   Add to collection   Reset

Body Cookies Headers (5) Tests   STATUS **201 Created** TIME 24 ms

Pretty Raw Preview   JSON ▾   Copy

```
{
    "ownerId": "345",
    "businessId": "789",
    "businessName": "334",
    "businessType": 1,
    "businessAddress": "897",
    "businessPicture": "556",
    "businessTelephone": "876",
    "discount": 12.3,
    "quantity": 33,
    "description": "descp1",
```

Search GiftCards:

discountRange	23.4, 46.7
dateRange	2015-2-22,2015-3-3
coordinates	112.3, 445.6
availableQuantityRange	100,250
giftCardOfferId	123
businessAddress	123
businessName	name
description	des
businessType	type1
URL Parameter Key	Value

History | **Collections**

► HPN
► Project-Mom-Business
▼ Project-Mom-GiftCard

GET Get GiftCard
GET Get GiftCard with no result
GET Get GiftCard with invalid Id
POST Purse GiftCard
POST Purse GiftCard with missing ownId
POST Purse GiftCard with invalid discount
POST Purse GiftCard with invalid quantity
POST Purse GiftCard with invalid status
GET Search GiftCards
GET Search GiftCards with filters
GET Search GiftCards with invalid pageSize
GET Search GiftCards with invalid pageNumber
GET Search GiftCards with invalid orderBy
GET Search GiftCards with invalid order
GET Search GiftCards with invalid quantity
GET Search GiftCards with invalid status
GET Search GiftCards with invalid discount
GET Search GiftCards with invalid date
POST Resell Gift Card
POST Resell Gift Card with invalid quantity ToSell
POST Resell Gift Card with not enough quantity

Type to filter

Send | Save | Preview | Pre-request script | Tests | Add to collection | Reset

Body | Cookies | Headers (6) | Tests | STATUS 200 OK | TIME 29 ms

Pretty | Raw | Preview | JSON | Copy

```
{
    "totalPages": 1,
    "pageNumber": 1,
    "totalRecords": 2,
    "items": [
        {
            "ownerId": "666",
            "businessId": "54c1b1a39d64e6006666aaaa",
            "businessName": "name666",
            "businessType": {
                "name": "type1",
                "id": 1
            },
            "businessAddress": "address123666",
            "businessPicture": "666",
            "businessTelephone": "666",
            "discount": 45.6,
            "quantity": 250,
```

Resell Gift Card:

History	**Collections**

▶ **HPN**

▶ **Project-Mom-Business**

▼**Project-Mom-GiftCard**

- GET Get GiftCard
- GET Get GiftCard with no result
- GET Get GiftCard with invalid Id
- POST Purse GiftCard
- POST Purse GiftCard with missing ownId
- POST Purse GiftCard with invalid discount
- POST Purse GiftCard with invalid quantity
- POST Purse GiftCard with invalid status
- GET Search GiftCards
- GET Search GiftCards with filters
- GET Search GiftCards with invalid pageSize
- GET Search GiftCards with invalid pageNumber
- GET Search GiftCards with invalid orderBy
- GET Search GiftCards with invalid order
- GET Search GiftCards with invalid quantity
- GET Search GiftCards with invalid status
- GET Search GiftCards with invalid discount
- GET Search GiftCards with invalid date
- POST **Resell Gift Card**

Normal	Basic Auth	Digest Auth	OAuth 1.0	OAuth 2.0	👁 Project-Mom-GiftCard ▾

Resell Gift Card

{{URL}}/users/me/giftCards/54c1b1a39d64e6004475efdf/resell?quantityToS   POST ▼ | URL params | Headers (1) |

quantityToSell	11
URL Parameter Key	Value

form-data	x-www-form-urlencoded	raw	binary

Key	Value	Text ▼

Send ▾	Save	Preview	Pre-request script	Tests	Add to collection		Reset

Body	Cookies	Headers (5)	Tests	STATUS 200 OK	TIME 8 ms

Pretty	Raw	Preview	⤢	🔍	☰	JSON ▾	🔖		Copy

```json
{
    - "giftCard": {
        "ownerId": "123",
        "businessId": "54c1b1a39d64e6006666aaaa",
        "businessName": "name123",
        "businessType": 1,
        "businessAddress": "123",
        "businessPicture": "123",
        "businessTelephone": "123",
        "discount": 23.4,
        "quantity": 132,
        "description": "descp1",
        "status": "ACTIVE",
        "giftCardOfferId": "123",
        "expirationDate": "2015-02-22T04:23:00.000Z",
        "id": "54c1b1a39d64e6004475efdf"
    },
    - "giftCardOffer": {
```

Repare For Redeem:

POST Purse GiftCard with invalid discount	
POST Purse GiftCard with invalid quantity	
POST Purse GiftCard with invalid status	
GET Search GiftCards	
GET Search GiftCards with filters	
GET Search GiftCards with invalid pageSize	
GET Search GiftCards with invalid pageNumber	
GET Search GiftCards with invalid orderBy	
GET Search GiftCards with invalid order	
GET Search GiftCards with invalid quantity	
GET Search GiftCards with invalid status	
GET Search GiftCards with invalid discount	
GET Search GiftCards with invalid date	
POST Resell Gift Card	
POST Resell Gift Card with invalid quantity ToSell	
POST Resell Gift Card with not enough quantity	
POST Prepare For Redeem	
POST Prepare For Redeem with not exist id	
POST Prepare For Redeem with invalid id	
POST Prepare For Redeem with invalid amount	
POST Redeem	

Normal | Basic Auth | Digest Auth | OAuth 1.0 | OAuth 2.0 | 👁 Project-Mom-GiftCard ▾

Prepare For Redeem

{{URL}}/users/me/giftCards/54c1b1a39d64e6004475efdf/prepareForRedeem | POST ▾ | URL params | Headers (2)

amount | 56.7

URL Parameter Key | Value

form-data | x-www-form-urlencoded | raw | binary

Key | Value | Text ▾

Send ▾ | Save | Preview | Pre-request script | Tests | Add to collection | Reset

Body | Cookies | Headers (5) | Tests | STATUS 200 OK | TIME 27 ms

Pretty | Raw | Preview | ⤢ | 🔍 | JSON ▾ | 🔖 | Copy

```json
{
    "giftCardId": "54c1b1a39d64e6004475efdf",
    "amount": 56.7,
    "redeemQRCode": "0233f62f42a134f64f00f4ee5e9ad0da",
    "redeemQRCodePicture": "1206",
    "timestamp": "2015-01-25T09:03:36.897Z",
    "redeemedAmount": 20
}
```

Redeem:

GET	Search GiftCards with filters
GET	Search GiftCards with invalid pageSize
GET	Search GiftCards with invalid pageNumber
GET	Search GiftCards with invalid orderBy
GET	Search GiftCards with invalid order
GET	Search GiftCards with invalid quantity
GET	Search GiftCards with invalid status
GET	Search GiftCards with invalid discount
GET	Search GiftCards with invalid date
POST	Resell Gift Card
POST	Resell Gift Card with invalid quantityToSell
POST	Resell Gift Card with not enough quantity
POST	Prepare For Redeem
POST	Prepare For Redeem with not exist id
POST	Prepare For Redeem with invalid id
POST	Prepare For Redeem with invalid amount
POST	Redeem
POST	Redeem without qrCode
POST	Redeem with invalid qrCode

► Radiogeraet

Normal | Basic Auth | Digest Auth | OAuth 1.0 | OAuth 2.0 | Project-Mom-GiftCard ▼

Redeem

{{URL}}/giftCards/redeem?qrCode=cc0d6ab4d1c48747   POST ▼   URL params   Headers (2)

qrCode   cc0d6ab4d1c48747

URL Parameter Key   Value

form-data | x-www-form-urlencoded | raw | binary

Key   Value   Text ▼

Send ▼ | Save | Preview | Pre-request script | Tests | Add to collection   Reset

Body | Cookies | Headers (5) | Tests   STATUS 200 OK   TIME 9 ms

Pretty | Raw | Preview | ⤢ | 🔍 | ☰ | JSON ▼ | 🔖   Copy

```
{
    "ownerId": "123",
    "businessId": "54c1b1a39d64e6006666aaaa",
    "businessName": "name123",
    "businessType": 1,
    "businessAddress": "123",
    "businessPicture": "123",
    "businessTelephone": "123",
    "discount": 23.4,
    "quantity": 75.3,
    "description": "descp1",
    "status": "ACTIVE",
    "giftCardOfferId": "123",
    "expirationDate": "2015-02-22T04:23:00.000Z",
    "id": "54c1b1a39d64e6004475efdf"
}
```

6   Resource Contact List

Name	Resource Email
TCSASSEMBLER	