Endpoint

- Add a person to the mailing list
```
ENDPOINT: http://localhost:8080/mail
RequestMethod: POST

 {

 "email":"jock@email.com"

 }

If success the result:

{

    "code": 1,

    "data": {

        "createDate": 1555035322691,

        "email": "1"

    },

    "message": "SUCCESS"

}

Failed:

{

    "code": 0,

    "message": "Email address already exists!" // error message

}
```

- Get all current products
```
ENDPOINT: http://localhost:8080/product/getAllCurrent
```

```
 RequestMethod: GET

{
    "code": 1,
    "data": [
        {
            "createDate": 1555037640000,
            "description": "a smartphone",
            "id": 1,
            "isDelete": false,
            "isRelease": true,
            "name": "iphone8",
            "updateDate": 1555037645000
        },
        {
            "createDate": 1555037671000,
            "description": "a smartphone",
            "id": 2,
            "isDelete": false,
            "isRelease": true,
            "name": "iphone7",
            "updateDate": 1555037676000
        }
    ],
    "message": "SUCCESS"
}
```

- Get soon to be released products
```
 ENDPOINT: http://localhost:8080/product/getComingSoon
 RequestMethod: GET

Result:

{

    "code": 1,

    "data": [

        {

            "createDate": 1555046671000,

            "description": "a new shape",
```

```
        "id": 16,

        "isDelete": false,

        "isRelease": false,

        "name": "iphoneXI",

        "updateDate": 1555046676000

      }

    ],

    "message": "SUCCESS"

}
```

- **Remove a person from the mailing list**

```
ENDPOINT: http://localhost:8080/mail/{email}
RequestMethod: delete
```

Result:

```
{
    "code": 1,
    "message": "SUCCESS"
}
```

Database

The database information is as follows.

```
spring.datasource.url=jdbc:mysql://127.0.0.1:3306/test?u
spring.datasource.username=root
spring.datasource.password=just4you
```

If you need to change it, please modify the application.properties file by yourself and then re-execute the "mvn package".

Table statement

SET NAMES utf8mb4;

```sql
SET FOREIGN_KEY_CHECKS = 0;


-- ----------------------------
-- Table structure for maillist
-- ----------------------------
DROP TABLE IF EXISTS `maillist`;
CREATE TABLE `maillist` (
    `id` int(11) NOT NULL AUTO_INCREMENT COMMENT 'PK',
    `email` varchar(100) NOT NULL COMMENT 'Mail address',
    `create_date` datetime DEFAULT NULL,
    PRIMARY KEY (`id`),
    UNIQUE KEY `idx_email` (`email`) USING BTREE
) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8mb4;


-- ----------------------------
-- Records of maillist
-- ----------------------------
BEGIN;
INSERT INTO `maillist` VALUES (3, 'jock@email.com', '2019-04-12 11:06:51');
INSERT INTO `maillist` VALUES (5, 'jodck@s.cd', '2019-04-12 09:19:39');
COMMIT;


-- ----------------------------
-- Table structure for products
-- ----------------------------
DROP TABLE IF EXISTS `products`;
CREATE TABLE `products` (
    `id` int(11) NOT NULL AUTO_INCREMENT COMMENT 'PK',
    `name` varchar(100) NOT NULL COMMENT 'Product name',
    `description` varchar(255) DEFAULT NULL COMMENT 'The description of product',
    `is_release` bit(1) DEFAULT NULL COMMENT '1: released\n0: not release',
    `create_date` datetime DEFAULT NULL,
    `update_date` datetime DEFAULT NULL,
    `is_delete` bit(1) DEFAULT NULL COMMENT '1: deleted\n',
    PRIMARY KEY (`id`),
    UNIQUE KEY `idx_products_name` (`name`) USING BTREE
) ENGINE=InnoDB AUTO_INCREMENT=17 DEFAULT CHARSET=utf8mb4;


-- ----------------------------
-- Records of products
-- ----------------------------
BEGIN;
INSERT INTO `products` VALUES (1, 'iphone8', 'a smartphone', b'1', '2019-04-12 10:54:00',
'2019-04-12 10:54:05', b'0');
```

INSERT INTO `products` VALUES (2, 'iphone7', 'a smartphone', b'1', '2019-04-12 10:54:31', '2019-04-12 10:54:36', b'0');
INSERT INTO `products` VALUES (16, 'iphoneXI', 'a new shape', b'0', '2019-04-12 13:24:31', '2019-04-12 13:24:36', b'0');
COMMIT;

SET FOREIGN_KEY_CHECKS = 1;

execute

java -jar target/demo-0.0.1-SNAPSHOT.jar