myFridge API

Resources

```
GET /MyFridgeServer/food/{barcode}

PUT /MyFridgeServer/user/register
GET /MyFridgeServer/user
POST /MyFridgeServer/user
DELETE /MyFridgeServer/user

PUT /MyFridgeServer/userFood//{barcode}/{expiryDate}/{userId}
POST /MyFridgeServer/userFood/{userFoodId}/{expiryDate}
DELETE /MyFridgeServer/userFood/{userFoodId}
GET /MyFridgeServer/userFood/all
DELETE /MyFridgeServer/userFood/all
```

Examples

User resource

Register user account request

```
PUT /MyFridgeServer/user/register HTTP/1.1
Content-Length: 145
Content-Type: application/xml
Host: solaris.bot.nu:8081
Connection: Keep-Alive

<user>
    <eMail>test@test.com</eMail>
    <username>test</username>
    <password>123456</password>
    <notifications>true</notifications>
</user>
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
Server: Jetty(9.0.1.v20130408)
```

Login request

```
GET /MyFridgeServer/user HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 183
Server: Jetty(9.0.1.v20130408)

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<user>
    <notifications>true</notifications>
```

```
    <password>123456</password>
    <username>test</username>
    <eMail>test@test.com</eMail>
</user>
```

Modify user data request

```
POST /MyFridgeServer/user HTTP/1.1
Content-Length: 146
Content-Type: application/xml
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=

<user>
    <eMail>test@test.com</eMail>
    <username>test</username>
    <password>1234567</password>
    <notifications>true</notifications>
</user>
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
Server: Jetty(9.0.1.v20130408)
```

Delete user account request

```
DELETE /MyFridgeServer/user HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY3
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
Server: Jetty(9.0.1.v20130408)
```

Food resource

Search barcode request

```
GET /MyFridgeServer/food/3859889940153 HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Type: application/xml
Transfer-Encoding: chunked
Server: Jetty(9.0.1.v20130408)
```

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<foodItem>
    <barcode>3859889940153</barcode>
    <description>Instant suhi pekarski kvasac...</description>
    <id>1</id>
    <imageLarge>R0lGODlhjwCPAPcAADswNUc4OVY7P...</imageLarge>
    <imageSmall>R0lGODlhPAA8APcAAEY7PFpCPVNGR...</imageSmall>
    <manufacturer>PODRAVKA d.d.</manufacturer>
    <name>Suhi Digo kvasac 5x7 g Podravka</name>
</foodItem>
```

User food resource

Add food to user food request

```
PUT /MyFridgeServer/userFood/3859889940153/11-07-2013/3 HTTP/1.1
Content-Length: 0
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```xml
HTTP/1.1 200 OK
Content-Type: application/xml
Transfer-Encoding: chunked
Server: Jetty(9.0.1.v20130408)

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<userFood>
    <dateExpiry>2013-07-11T00:00:00+02:00</dateExpiry>
    <food>
       <barcode>3859889940153</barcode>
       <description>Instant suhi pekarski kvasac proizvodi se iz...</description>
       <id>1</id>
       <imageLarge>R0lGODlhjwCPAPcAADswNUc4OVY7P...</imageLarge>
       <imageSmall>R0lGODlhPAA8APcAAEY7PFpCPVNGR... </imageSmall>
       <manufacturer>PODRAVKA d.d.</manufacturer>
       <name>Suhi Digo kvasac 5x7 g Podravka</name>
    </food>
    <id>262144</id>
    <validAfterOpening>3</validAfterOpening>
</userFood>
```

Modify user food request

```
POST /MyFridgeServer/userFood/262144/10-06-2013 HTTP/1.1
Content-Length: 0
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
```

```
Server: Jetty(9.0.1.v20130408)
```

Delete user food request

```
DELETE /MyFridgeServer/userFood/262144 HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
Server: Jetty(9.0.1.v20130408)
```

Retrieve all user food request

```
GET /MyFridgeServer/userFood/all HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Type: application/xml
Transfer-Encoding: chunked
Server: Jetty(9.0.1.v20130408)

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<userFoods>
   <userFood>
      <dateExpiry>2013-06-11T00:00:00+02:00</dateExpiry>
      <food>
         <barcode>3859889940153</barcode>
         <description>Instant suhi pekarski kvasac...</description>
         <id>1</id>
         <imageLarge>R0lGODlhjwCPAPcAADswNUc4OVY7P...</imageLarge>
         <imageSmall>R0lGODlhPAA8APcAAEY7PFpCPVNGR...</imageSmall>
         <manufacturer>PODRAVKA d.d.</manufacturer>
         <name>Suhi Digo kvasac 5x7 g Podravka</name>
      </food>
      <id>262145</id>
      <validAfterOpening>3</validAfterOpening>
   </userFood>

   <userFood>
      <dateExpiry>2013-06-11T00:00:00+02:00</dateExpiry>
      <food>
         <barcode>3850104073724</barcode>
         <description>Pelati su olju..teni, cijeli...</description>
         <id>32768</id>
         <imageLarge>R0lGODlhjwCPAPcAABwZLhcYODMbK...</imageLarge>
         <imageSmall>R0lGODlhPAA8APcAABobOxUWNi8cM...</imageSmall>
         <manufacturer>PODRAVKA d.d.</manufacturer>
         <name>Raj..ica pelat 400 g Podravka</name>
```

```
        </food>
        <id>262146</id>
        <validAfterOpening>3</validAfterOpening>
    </userFood>

    <userFood>
        <dateExpiry>2013-05-11T00:00:00+02:00</dateExpiry>
        <food>
            <barcode>5997381317672</barcode>
            <description>Divno i ..okoladno ... takav...</description>
            <id>32769</id>
            <imageLarge>Ap90wp066DcMADL4ADMAQDL1wCEqA...</imageLarge>
            <imageSmall>R0lGODlhPAA8APcAAGs1N2w3OXQ5O...</imageSmall>
            <manufacturer>DR. OETKER d.o.o. P.P. 51</manufacturer>
            <name>Puding od ..okolada x3 147g Dr Oetker</name>
        </food>
        <id>262147</id>
        <validAfterOpening>3</validAfterOpening>
    </userFood>
</userFoods>
```

Delete all user food request

```
DELETE /MyFridgeServer/userFood/all HTTP/1.1
Host: solaris.bot.nu:8081
Connection: Keep-Alive
Authorization: Basic dGVzdDoxMjM0NTY=
```

Response

```
HTTP/1.1 200 OK
Content-Length: 0
Server: Jetty(9.0.1.v20130408)
```
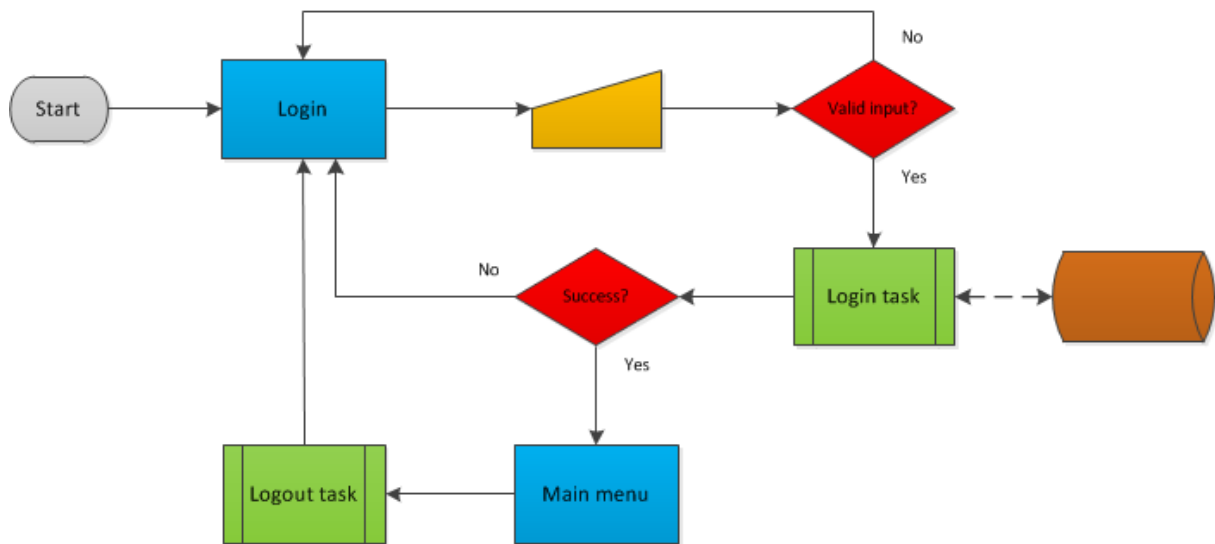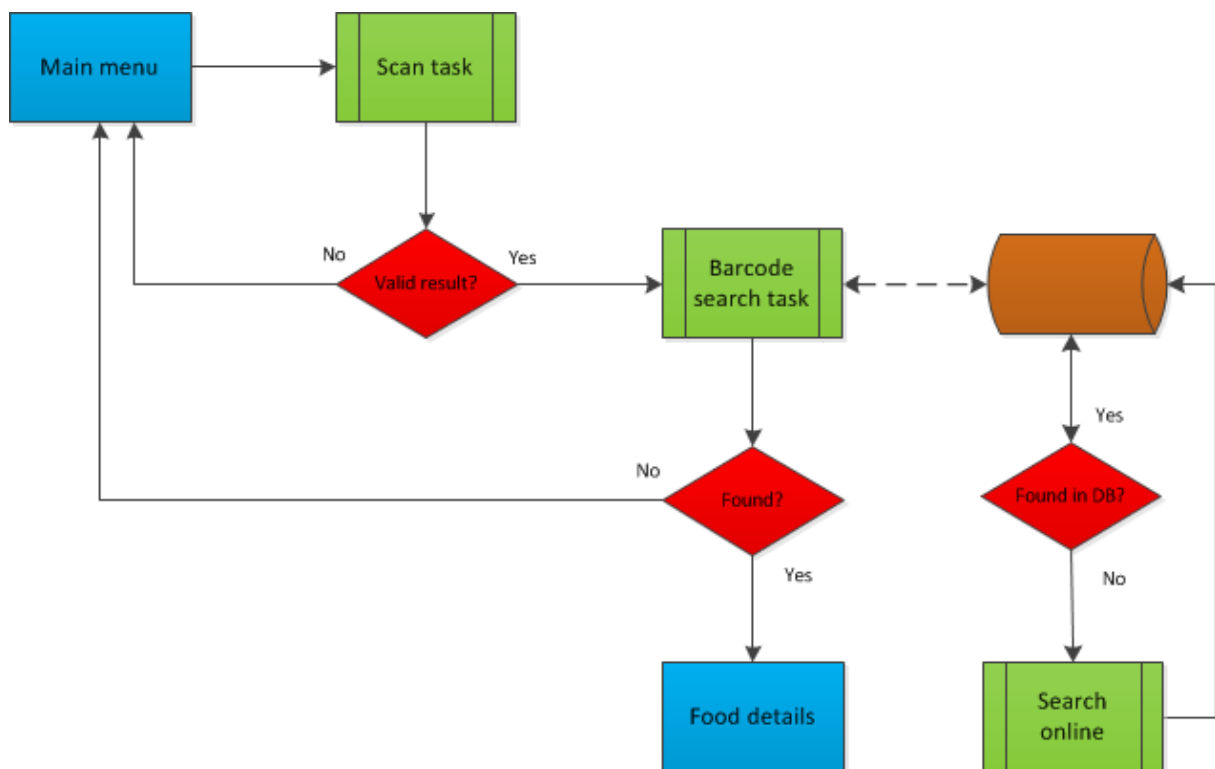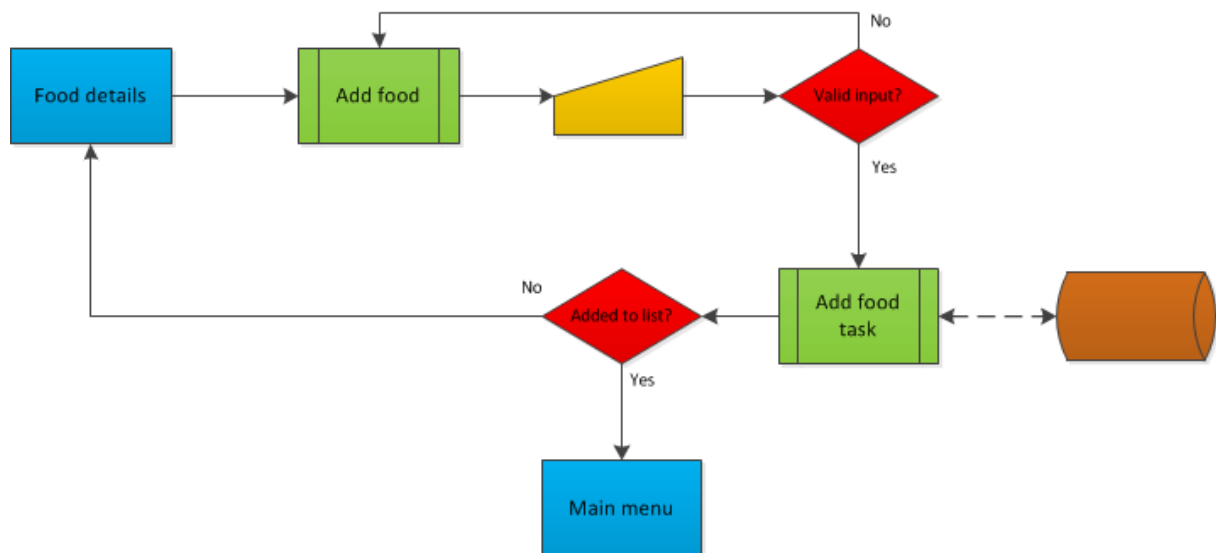
Client flow charts
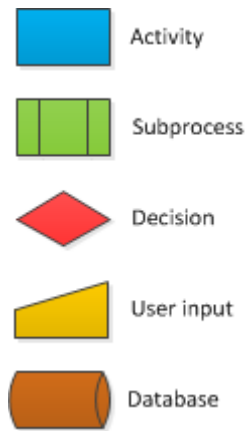
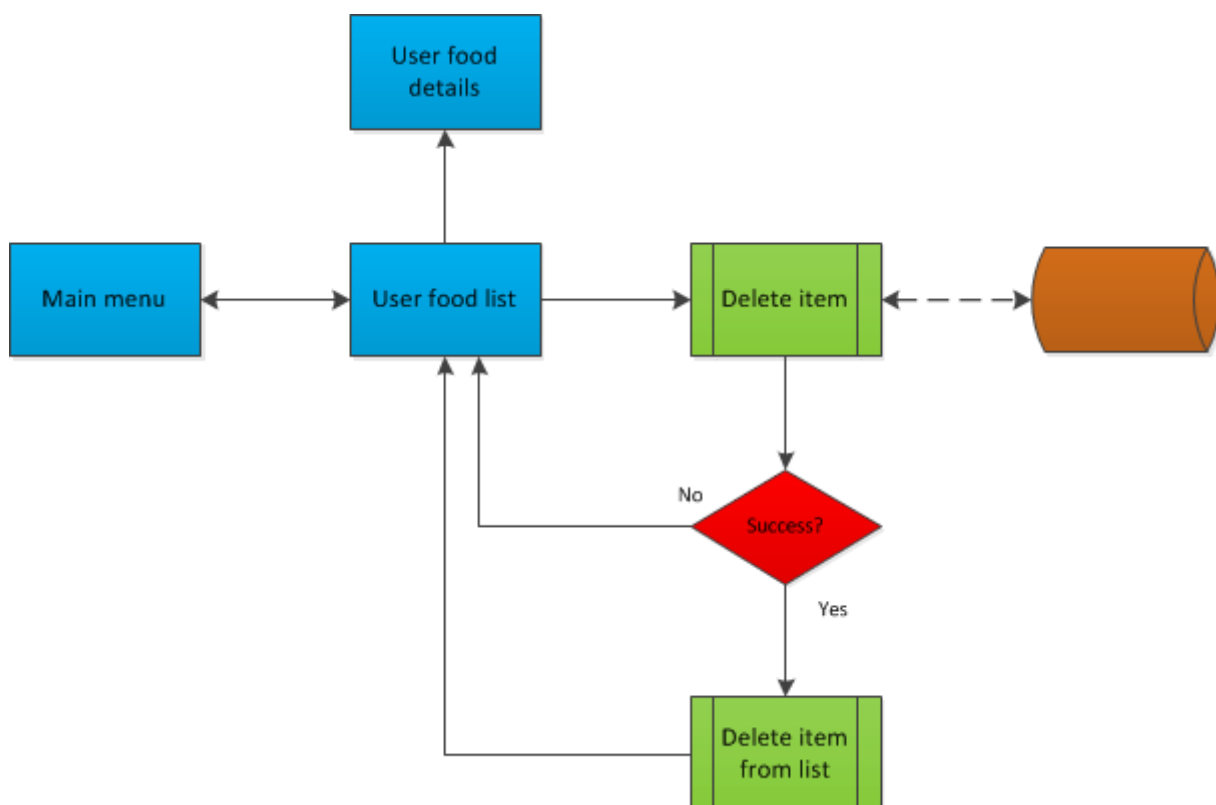**Picture 1. Flow chart legend**
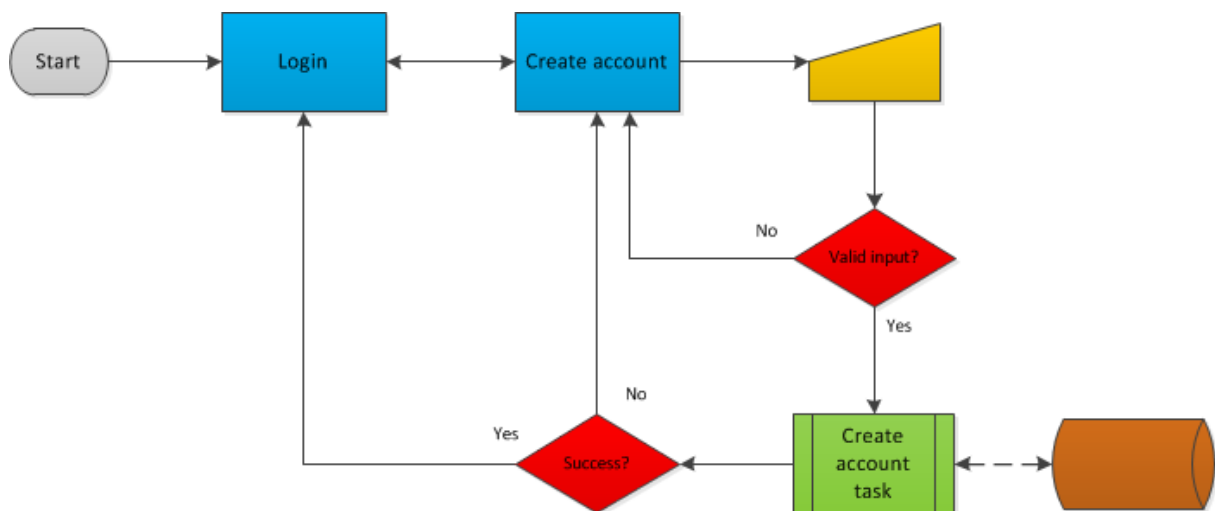
Picture 2. Create user account

Picture 3. Login

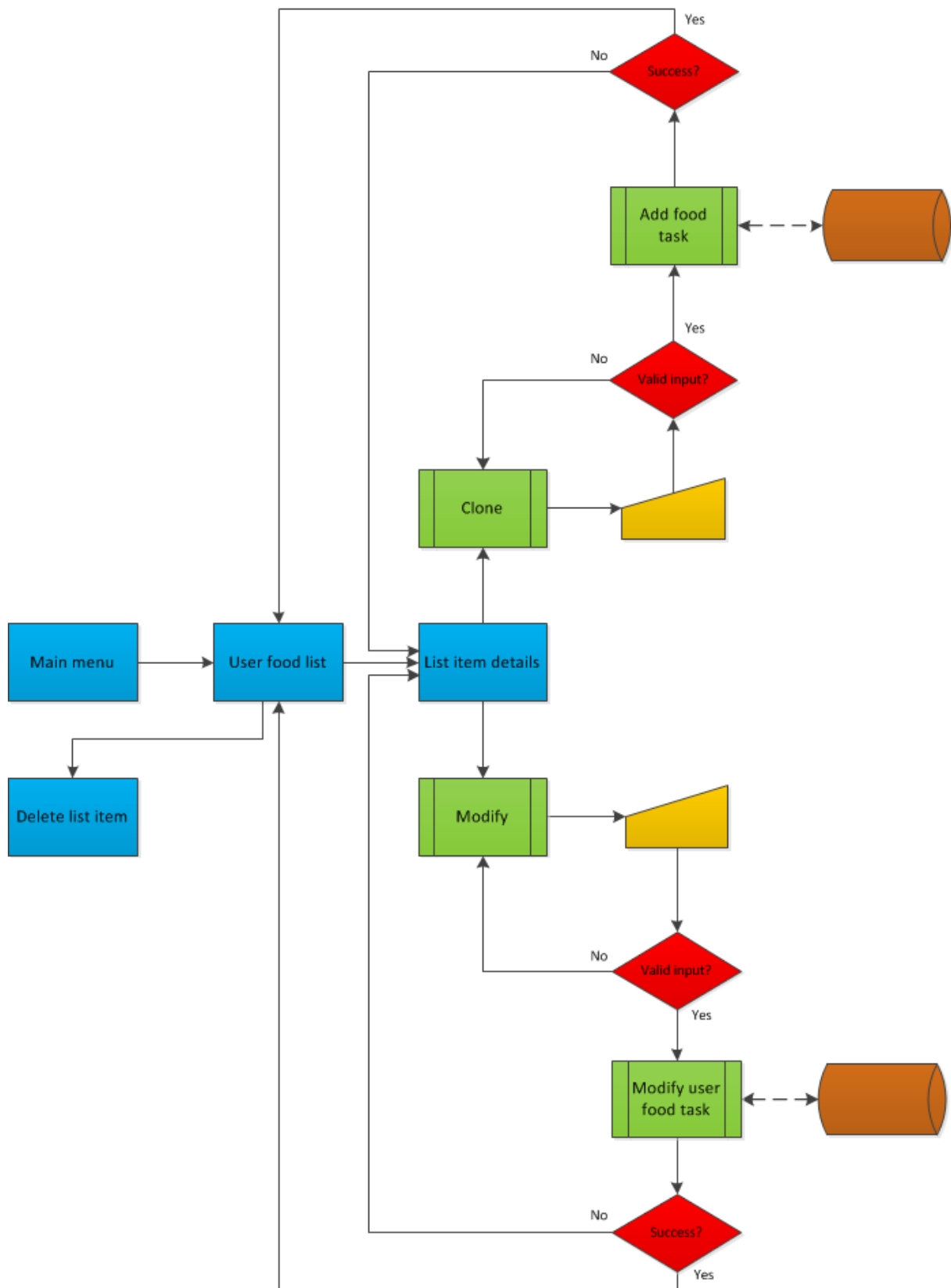
Picture 4. Scan and search barcode

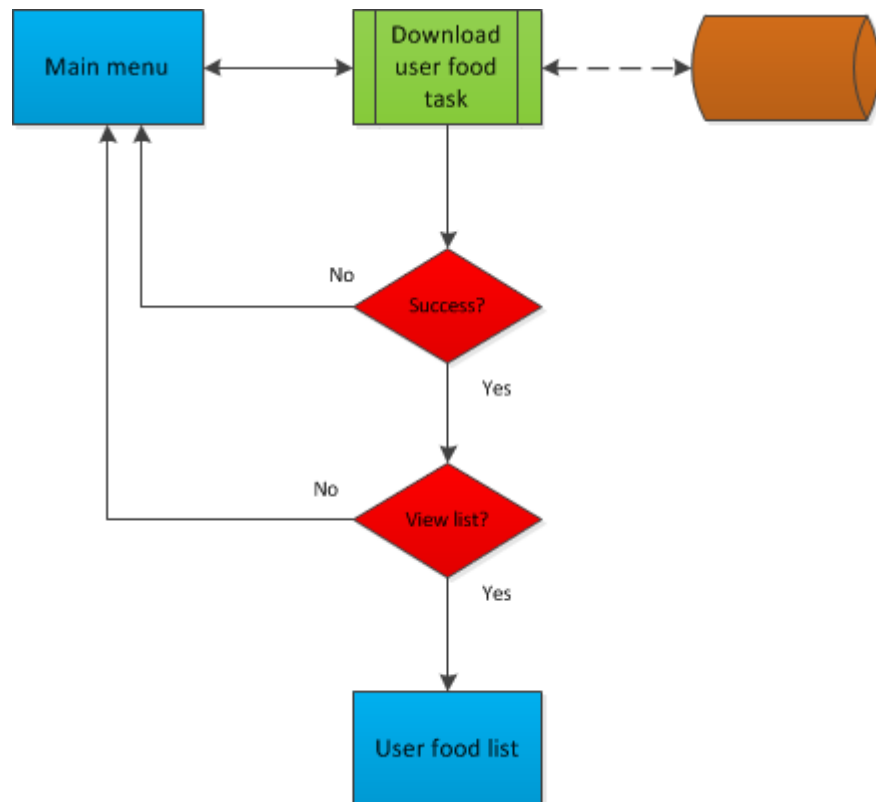**Picture 5**. **Adding food item to user foods**
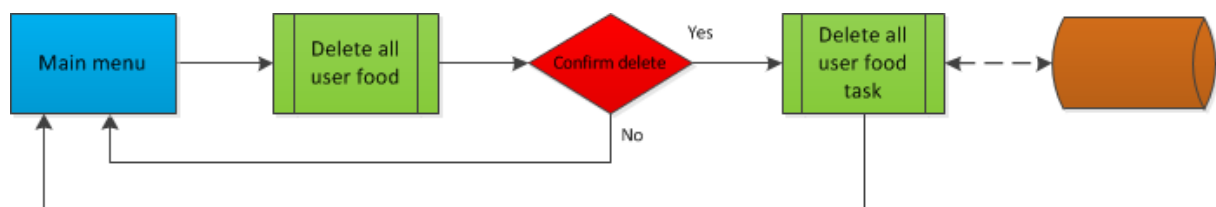

Picture 6. Deleting a single user food

Picture 7. User food list view, list item details, modifying and cloning user food items

Picture 8. Download user food list

Picture 9. Delete all user food