Web Application Development 2

2017/2018

Waterford Institute of Technology

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Description:

This webapp has been developt for the module „Web Application Development 2“ on Waterford Institute of Technology.

It represents a simple cookbook.

Unauthorized users can:

- List all receipes
- View a single receipe
- List the 5 latest receipes
- Search for a receipe (via the full-name or parts of a name)
- Sign up

Authorized users can:

- Login
- Create a receipe
- Update a receipe
- Delete a receipe

Core-Technology used:

Frontend:

- bootstrap
- font-awesome
- style
- angular
- Google-Maps

API:

- angular-route
- bcrypt
- express
- express-session
- mongoose
- morgan

Authentication:

- bcrypt
- passport
- passport-cookie

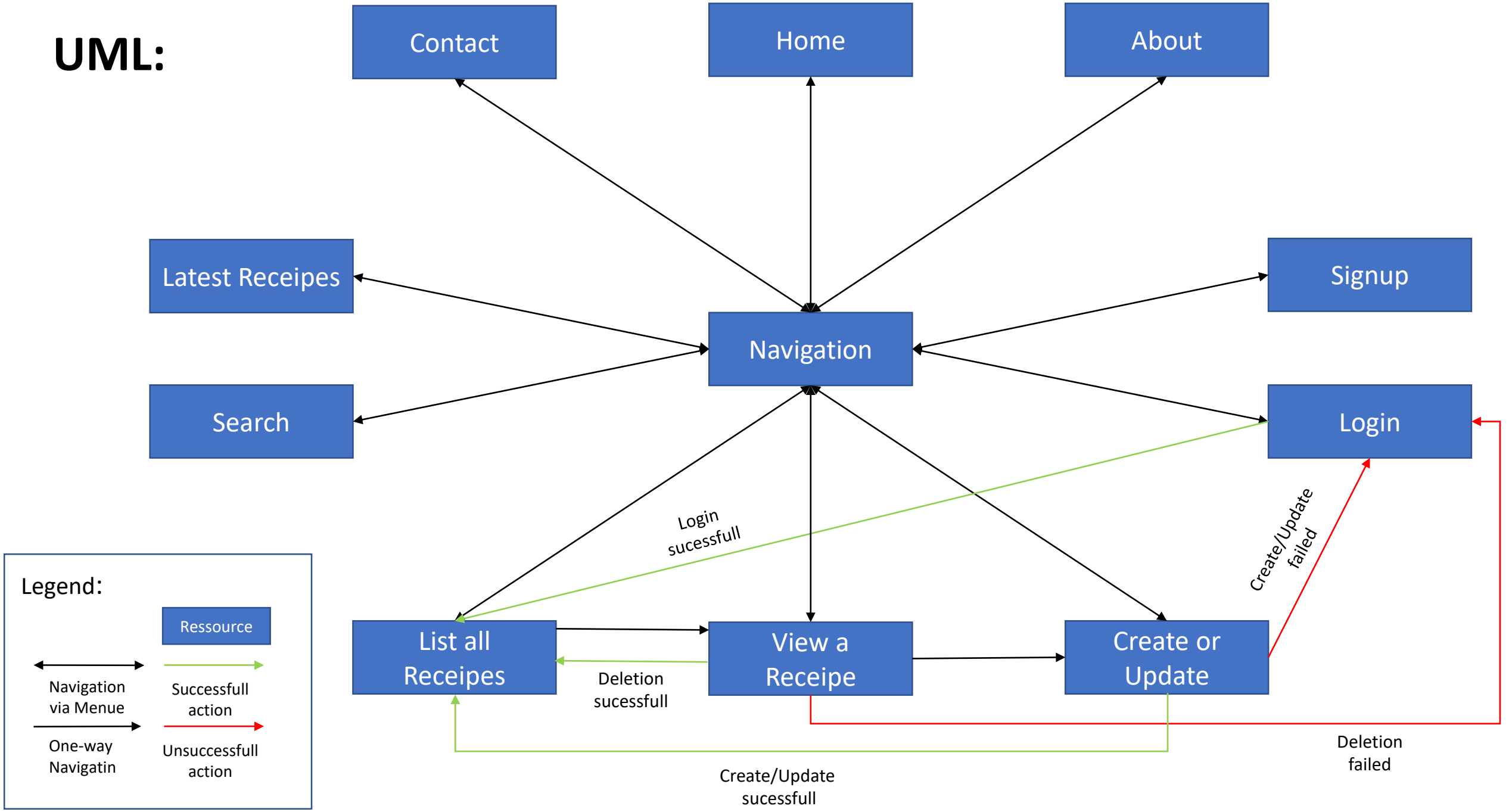
Testing:

- chai
- chromedriver
- cross-env
- supertest

Build-automatisation:

- webpack

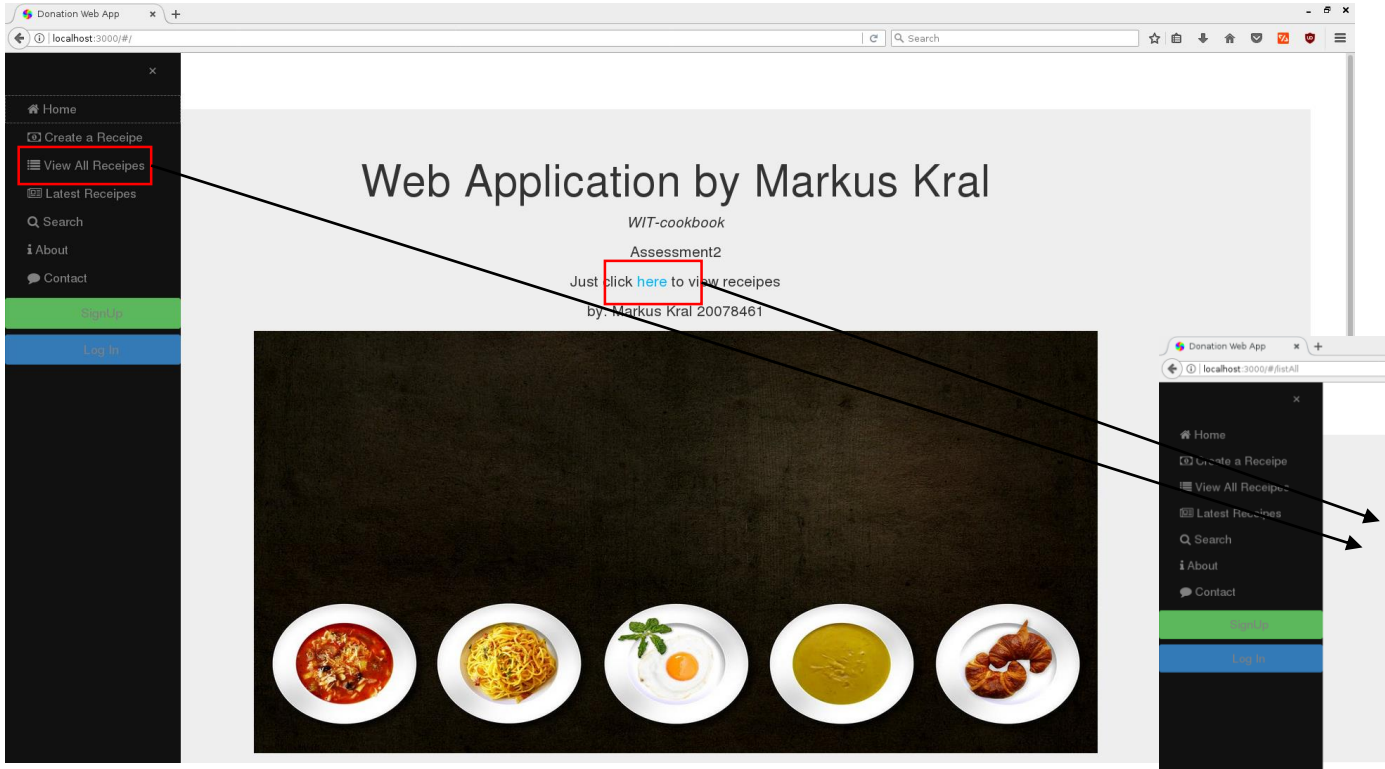
UML:

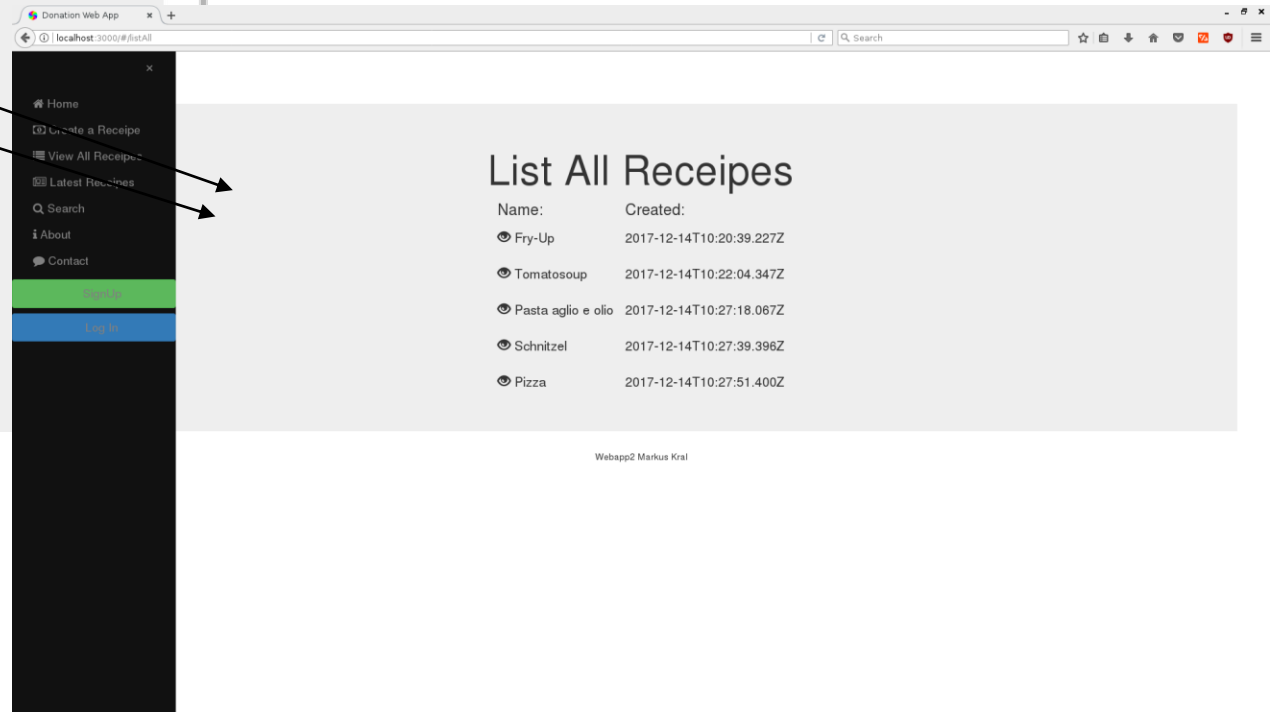

Contact
Home
About
Latest Receipes
Signup
Navigation
Search
Login
Login sucessfull
Create/Update failed
List all Receipes
View a Receipe
Create or Update
Deletion sucessfull
Deletion failed
Create/Update sucessfull
Legend:
Ressource
Navigation via Menue
One-way Navigatin
Successfull action
Unsuccessfull action

Use-Cases:

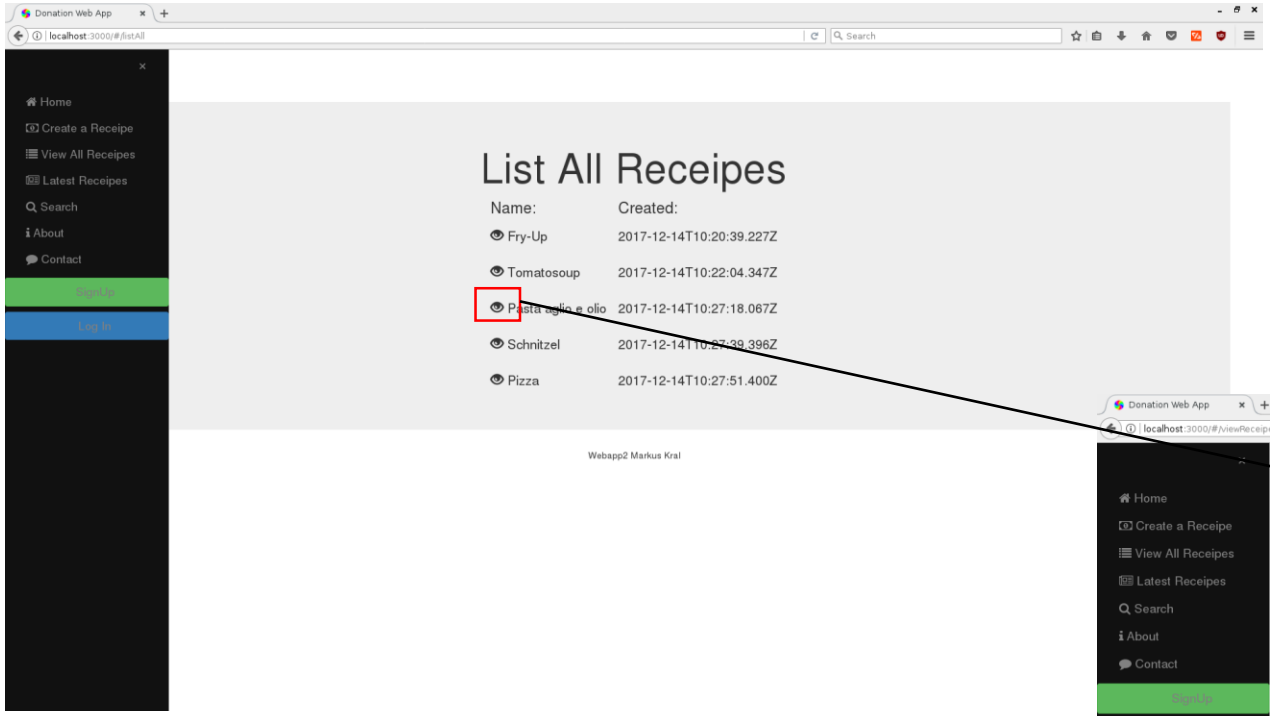
Unauthorized Cases:

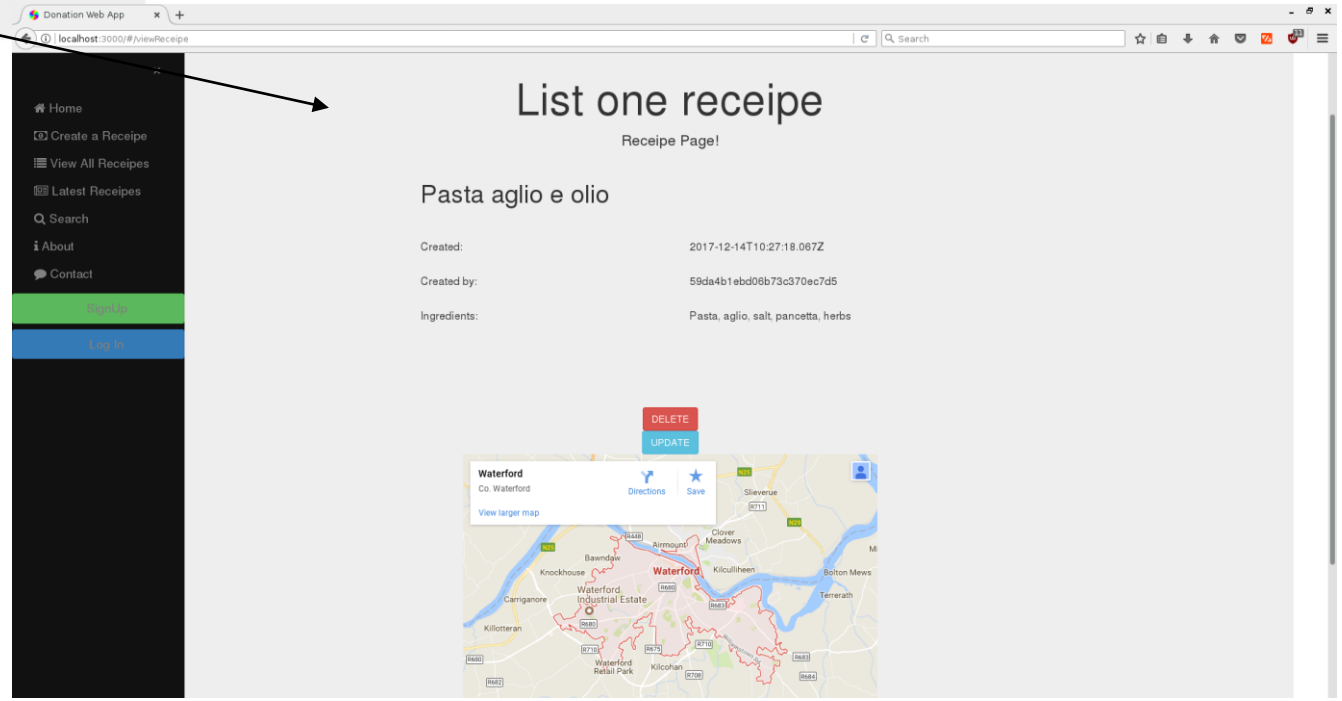
View all receipes:



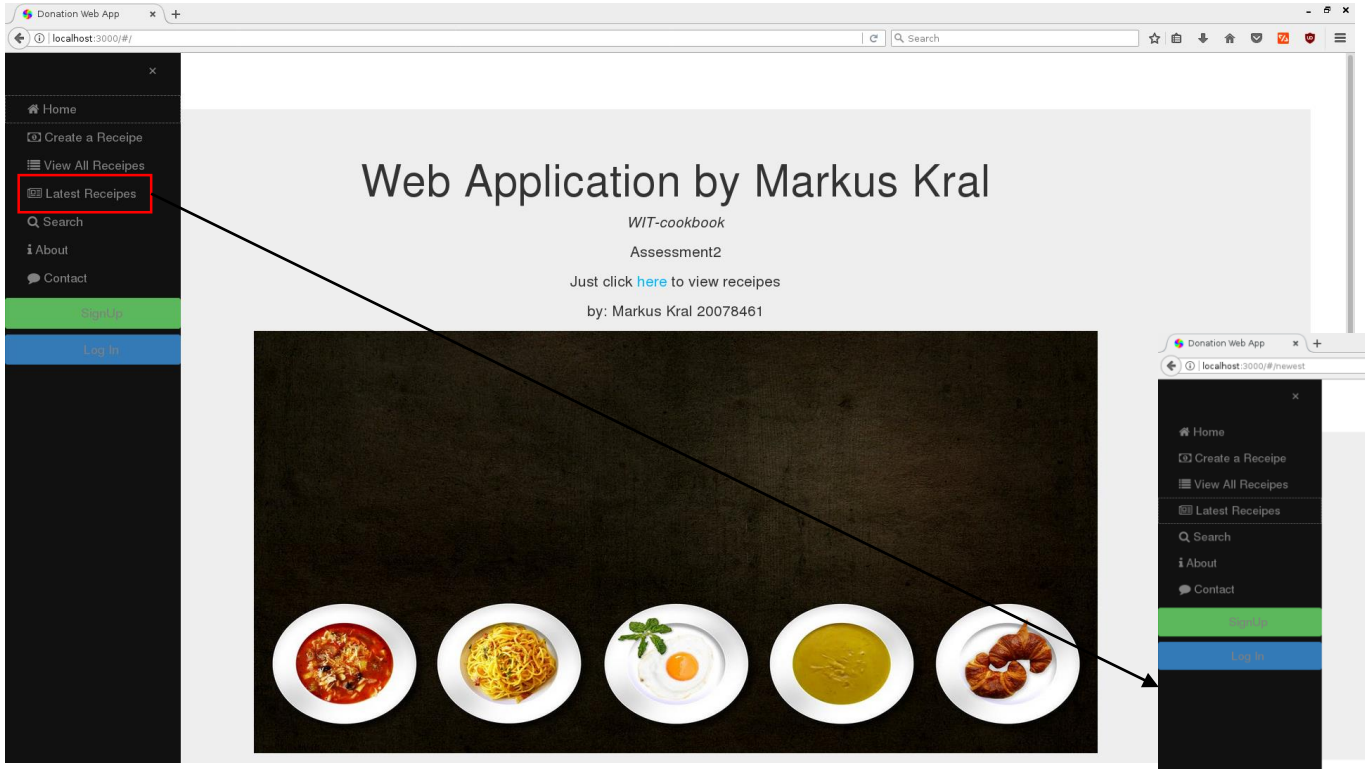


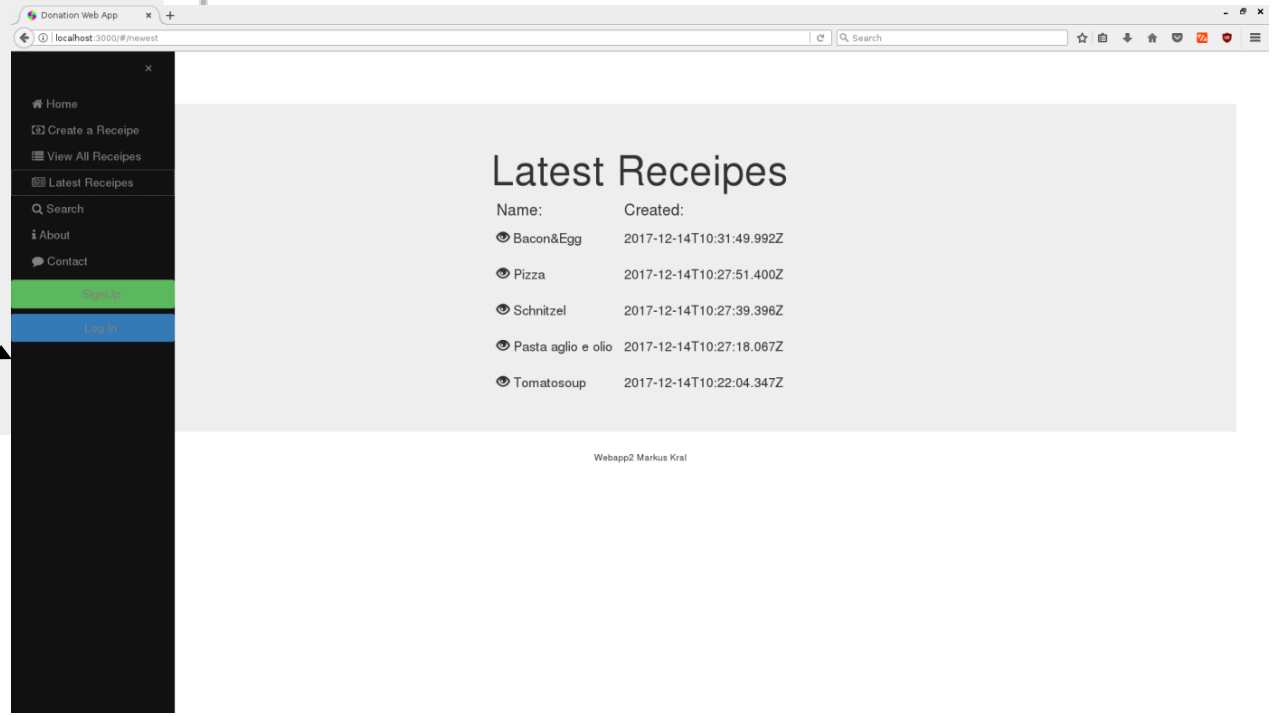
View a single receipes:



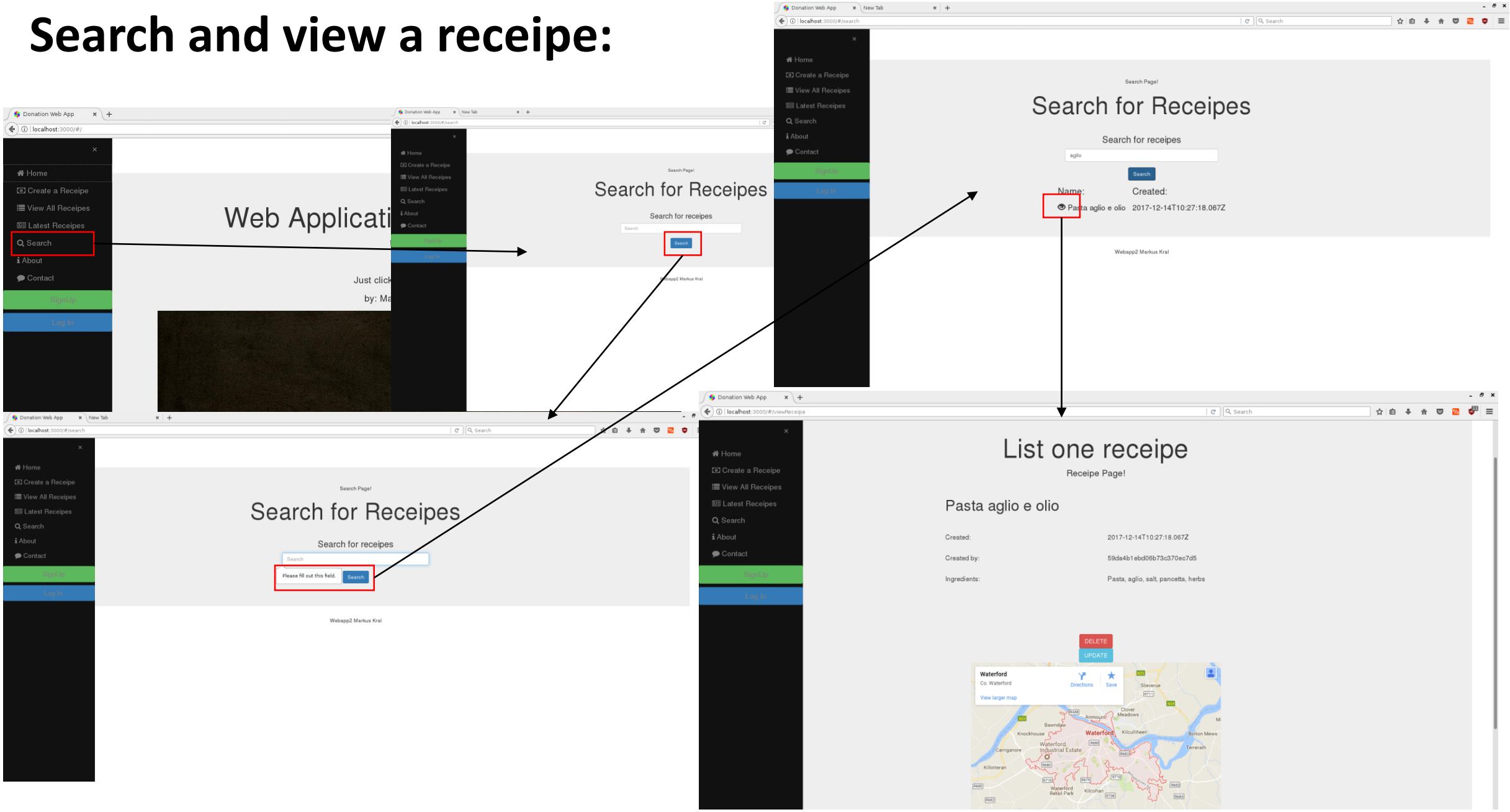


View latest receipes:

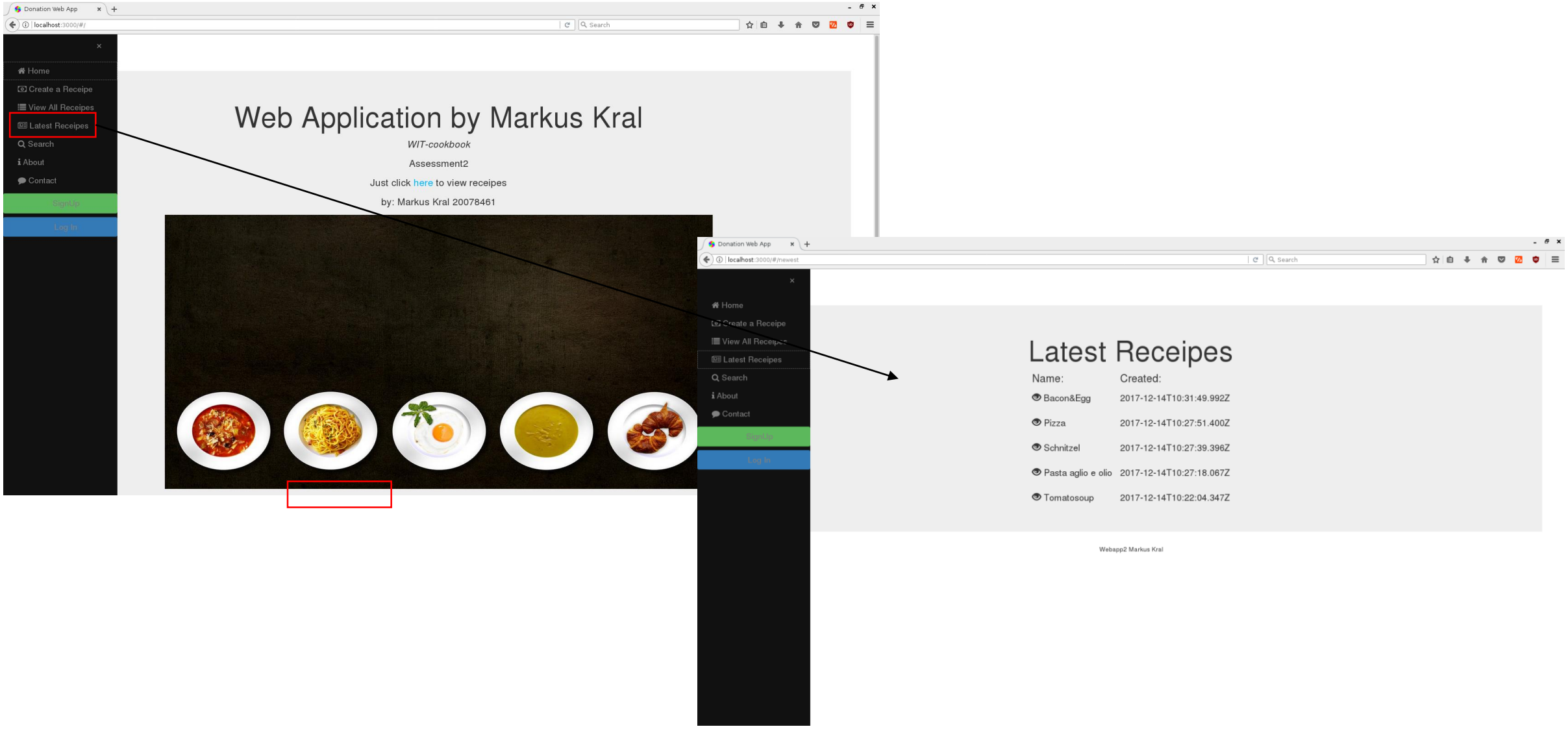




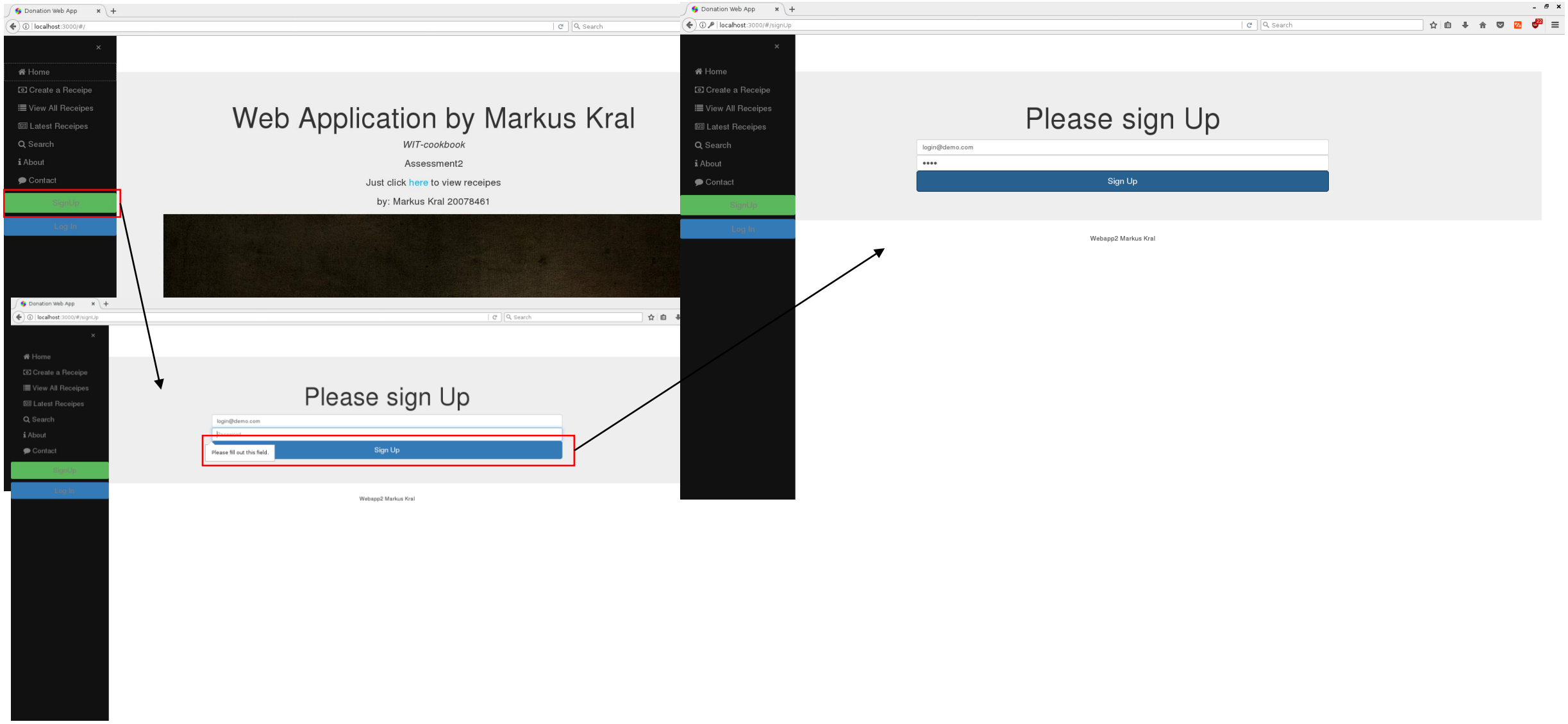
Search and view a receipe:



View latest receipes



Signup


Donation Web App
localhost:3000/#/
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
Web Application by Markus Kral
WIT-cookbook
Assessment2
Just click here to view receipes
by: Markus Kral 20078461
Donation Web App
localhost:3000/#/signUp
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
Please sign Up
login@demo.com
Please fill out this field.
Sign Up
Webapp2 Markus Kral
Donation Web App
localhost:3000/#/signUp
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
Please sign Up
login@demo.com
Sign Up
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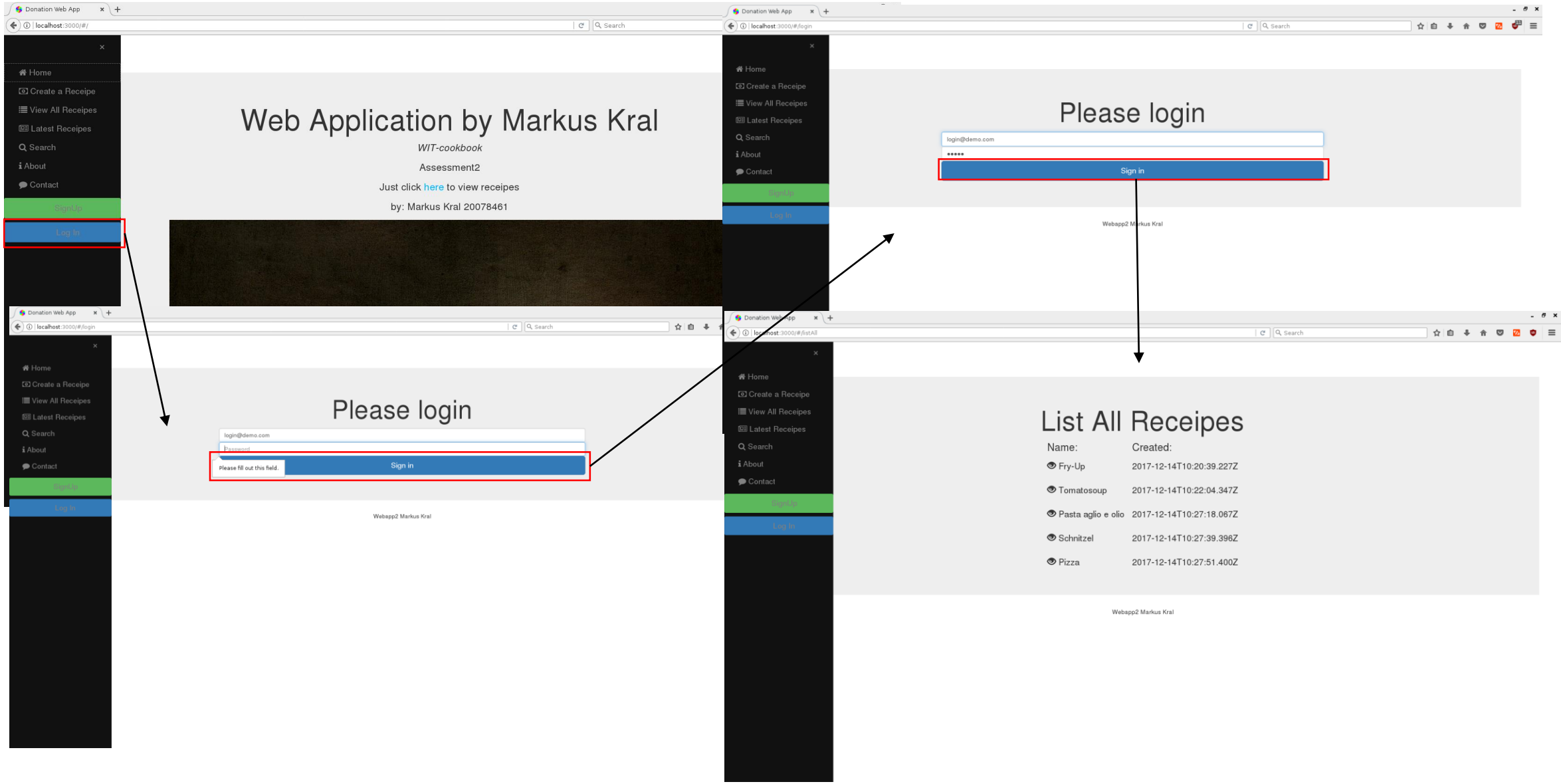
Authorized Cases:

Login


Donation Web App
localhost:3000/#/
Search
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View All Receipes
Latest Receipes
Search
About
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SignUp
Log In
Web Application by Markus Kral
WIT-cookbook
Assessment2
Just click here to view receipes
by: Markus Kral 20078461
Donation Web App
localhost:3000/#/login
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
Please login
login@demo.com
Sign in
Webapp2 Markus Kral
Donation Web App
localhost:3000/#/login
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
Please login
login@demo.com
Password
Please fill out this field.
Sign in
Webapp2 Markus Kral
Donation Web App
localhost:3000/#/listAll
Search
Home
Create a Receipe
View All Receipes
Latest Receipes
Search
About
Contact
SignUp
Log In
List All Receipes
Name:
Created:
Fry-Up
2017-12-14T10:20:39.227Z
Tomatosoup
2017-12-14T10:22:04.347Z
Pasta aglio e olio
2017-12-14T10:27:18.067Z
Schnitzel
2017-12-14T10:27:39.396Z
Pizza
2017-12-14T10:27:51.400Z
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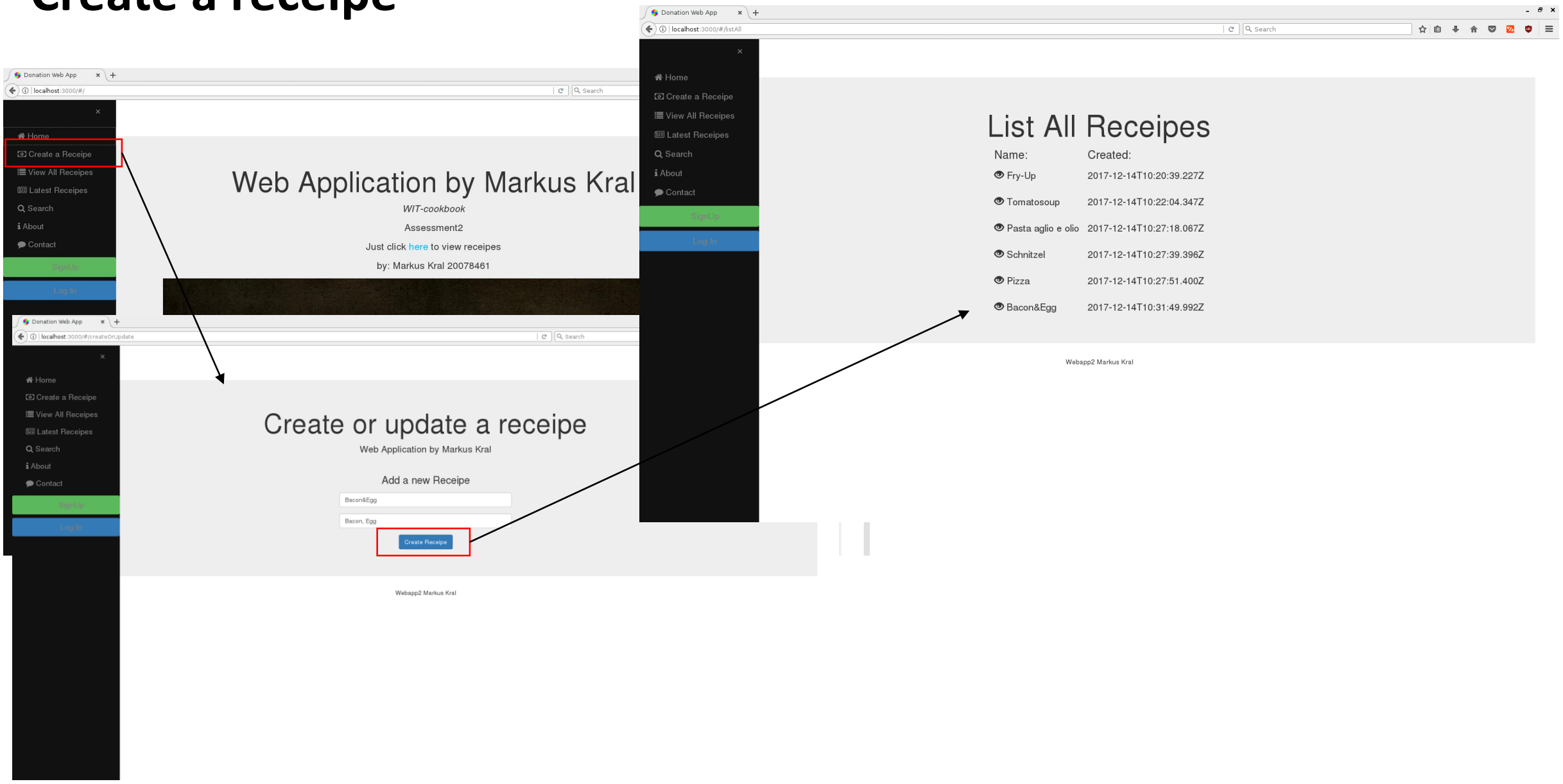
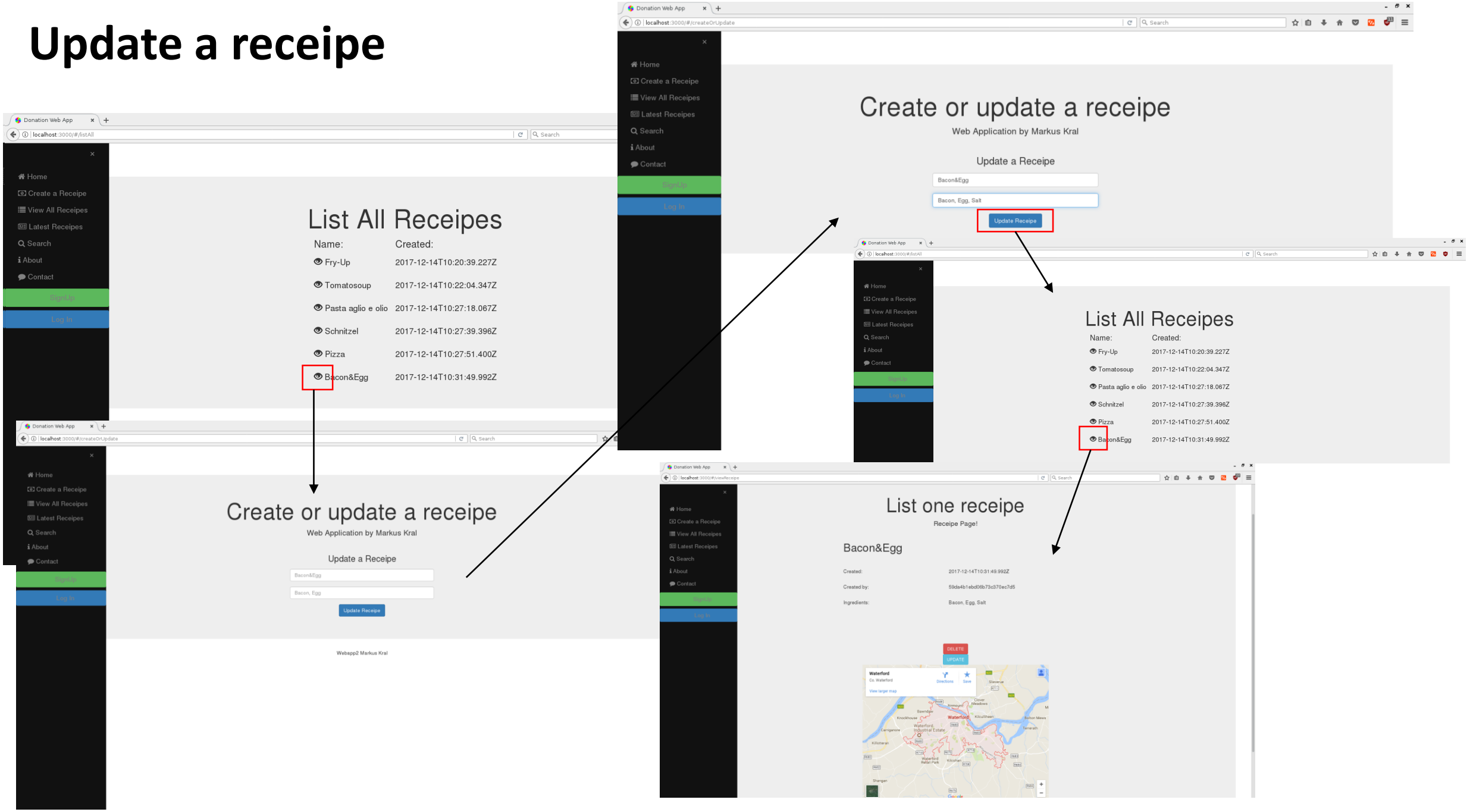
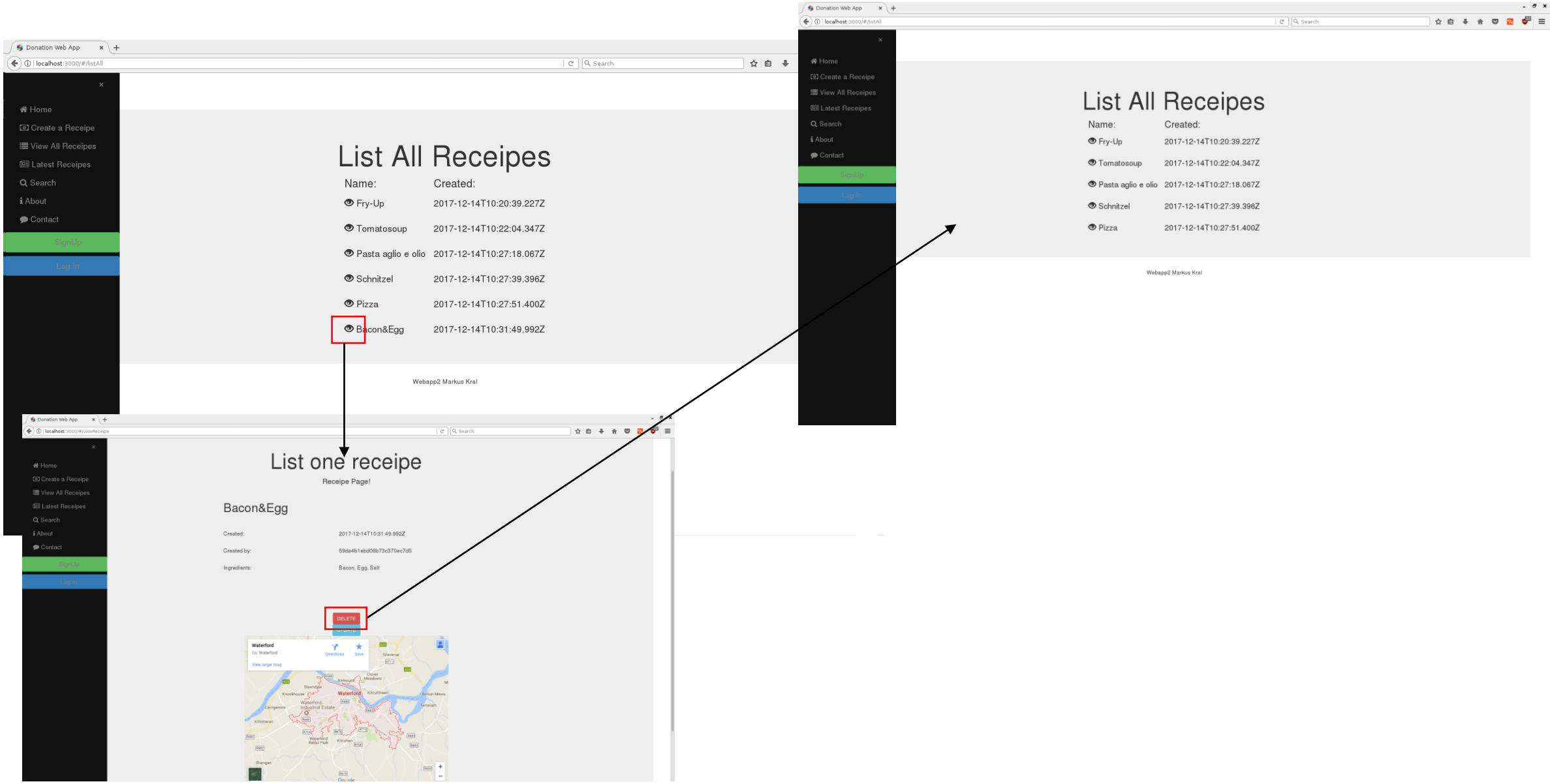
Create a receipe



Update a receipe



Delete a receipe



Technical Approaches:

MongoDB:

- uses Authorization:

  mongodb://cookbook:12345678@localhost:27017/

- Schemas for User and Receipes

Receipe:

```
{
   "_id" : ObjectId,
   "name" : String,
   "ingredients" : String/List/Dict,
   "Created_by" : ObjectId,
   "Created_date" :  ISODate
 }
```

User:

```
{
   "_id" : ObjectId,
   "email" : String,
   "password" : String (bcrypt-encrypted)
 }
```

UX:

Use of bootstrap and its components.
Easy navigation.
Use same endpoint and template for equal actions when possible (e.g updating&creating, view receipe).
Give Feedback if Forms are not filled out correctly.

DX:

Apply the Unix philosophy.
(e.g. do one thing and do it well).
Seperated prod- and test-build
Automatic travis-tests on push.
Automatic code-coverage reportage.
E-Mail response if tests fail.
Reuse Methods and Contollers.

Technical Approaches:

MongoDB:

- uses Authorization:

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- Schemas for User and Receipes

```
Receipe:
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User:
{
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   "email" : String,
   "password" : String (bcrypt-encrypted)
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UX:

- Use of bootstrap and its components.
- Easy navigation.
- Use same endpoint and template for equal actions when
- possible (e.g updating&creating, view receipe).
- Give Feedback if Forms are not filled out correctly.

DX:

- Apply the Unix philosophy.
  (e.g. do one thing and do it well)
- Automated prod- and test-build
- Automated travis-tests on push.
  (selenium-Webdriver tests for frontend,
- chai-Tests for backend)
- Automated code-coverage reportage.
- E-Mail response if tests fail.
- Reuse Methods and Contollers.
- Use git and only merge into the master.

Links and References:

Github:
https://gitbub.com
https://github.com/MarkusKral/WebApp2

Travis:
https://travis-ci.org
https://travis-ci.org/MarkusKral/WebApp2

Coveralls:
https://coveralls.io
https://coveralls.io/github/MarkusKral/WebApp2

References:

Authenticatin has been developt following this tutorial:
https://scotch.io/tutorials/easy-node-authentication-setup-and-local