**Creating a Small Product**

**https://develpreneur.com/category/podcast/create-a-small-product/**

**Season Notes and Worksheet**

****

# Overview

Use this worksheet to track your information as you follow through the season episodes. You can use any format you want. However, this should help you with a template to build something that you will be proud to share with others as a reference project. Feel free to adjust and customize this to your needs and make this your own.

Problem This Will Solve

Track marketing information for a person/business and provide quick access.

**The Users**

This is aimed at individuals with a number of accounts to manage and do not access them all the time. This can be a general store for any user, but the best value will be for someone that needs to keep contact data handy and organized. The users will have a simple application and interface with additional features provided only if the speed and ease-of-use can be maintained.

**Solution Approach**

This will be a SAAS solution. Users will login or register, be able to view their data, and it will be stored on a single server. There is no need for client-side tools or data stores. The interface will be lightweight, and functional.

My Investment

Ideally, I will have this done in six weeks. Roughly 5 hours a week

The Process

**1. Create the account (Facebook, LinkedIn, WebSite, etc.)**

**2. Store the information (email address, FB address, etc.)**

**3. Label the information**

**4. Retrieve a link based on label**

**5. Update data as needed**

**6. Quick view of all information**

Automation

**1. Create a platform**

**2. Enter the data**

**3. View all my links**

Core Interface and Platform

This will be a web application built on Apache with PHP, CSS, and minimal JavaScript on the front end. The back-end will be a MySql or Maria DB with minimal logic included. The bulk of the code will be middle tier to move around the data and provide a list for reporting.

HTTPS will be used to keep data secure although it is primarily of a public nature. User logins will be a name created by the user and unique in the system. Emails will be used for external notifications as needed.

The UI will be responsive and provide minimal navigation to keep it easy to access via small screen devices. It is not expected that this will need a large display due to the limited data utilized.

Requirements/Product Definition

This will change as the process continues.

**Name:** Create a Platform

**Description:** Enter data for a platform for marketing that will be used to label a link or piece of data

**Data:** Name, URL, Type

**Notes:** As an example, Facebook, Facebook.com, Social Site

**Name:** Enter the data

**Description:** Enter my marketing data for a selected platform

**Data:** Platform, Data

**Notes:** As an example, select Facebook and enter the value facebook.com/Develpreneur

**Name:** View My Data

**Description:** Display all my data on a screen

**Data:** My Data

**Notes:** Simple grid with label being the name of the platform and value next to it.

Specification

Overall the application will be a simple experience. Users will login, see their data and be able to manipulate the same. A page for easy copy/paste of all values will be included as well.

|  |  |
| --- | --- |
| Page | Login/Default for Site |
| Controls | Login, Forgot password, Register |
| Inputs | Login and password |
| Outputs/Messages | Improper login-password combination, login is required, password is required |
| Functionality | Login/Authenticate User |
| Next Steps/Pages | Home Page (login successful), Remind Password (forgot), Registration (Register), Self (improper login) |
| Validations | Login and password must not be empty |
| Exceptions | None |

|  |  |
| --- | --- |
| Page | Forgot Password |
| Controls | Return To Login, Send Reset |
| Inputs | Login and email |
| Outputs/Messages | Login is required, email is required, Instructions have been sent to your email if that is a valid combination. |
| Functionality | SendPasswordReset |
| Next Steps/Pages | Home Page (Return to Login), Self (Send Reset) |
| Validations | Login and email must not be empty |
| Exceptions | None |

|  |  |
| --- | --- |
| Page | Register User |
| Controls | Register, Cancel |
| Inputs | Login, password, password verify, first name, last name |
| Outputs/Messages | Login is required, email is required, password is required, password must match verify value, login and email must be unique in system. |
| Functionality | RegisterUser, SendWelcomeEmail, AuthenticateUser |
| Next Steps/Pages | User Home Page (successful register), Self (failed register) |
| Validations | Login, password, password verify, and email must not be empty, Login and email must be unique, password must be 8 characters in length or more. |
| Exceptions | None |

|  |  |
| --- | --- |
| Page | User Home |
| Controls | Add Link, Edit Link, Links Report, Logout |
| Inputs | Select link to edit (or click label), Logout, Edit. |
| Outputs/Messages | None |
| Functionality | Logout |
| Next Steps/Pages | Edit Link, Add Link, Links Report, Home Page (Logout) |
| Validations | Edit link requires a link to be selected to edit |
| Exceptions | None |

|  |  |
| --- | --- |
| Page | Add/Edit Link |
| Controls | Save, Reset, Cancel, Delete |
| Inputs | Platform Name (editable list), link text  |
| Outputs/Messages | Value for that platform already exists for your account, Link text must not be empty |
| Functionality | SaveUpdateLink, LoadLink, DeleteLink |
| Next Steps/Pages | Home Page, Self(link exists for add) |
| Validations | For edit, the platform is read-only |
| Exceptions | None |

|  |  |
| --- | --- |
| Page | View My Data |
| Controls | Return To Home |
| Inputs | None  |
| Outputs/Messages | None |
| Functionality | UserLinksReport |
| Next Steps/Pages | Home Page |
| Validations | None |
| Exceptions | None |

Key Data

There is not a bunch of data stored in this application, so the types and constraints will be listed in the table below.

|  |  |  |
| --- | --- | --- |
| Item | Type | Size |
| Link Name/Label | Text/String | 40 |
| Link Value | Text/String | 250  |
| Link Type | ID/Lookup | Key size |
| First Name | Text/String | 40 |
| Last Name | Text/String | 40 |
| Login | Text/String | 30 |
| Password | Text/String | 30 |
| Email | Text/String | 250 (must be of form \*@\*.\*) |

Test Tasks/Script

This section breaks down the tests we will need to run to verify the implementation.

**Login:**

|  |  |
| --- | --- |
| Test Action | Expected Results |
| Login with blank login | Login Required |
| Login with blank password | Password required |
| Login with invalid login-password | Invalid Combination |
| Login with valid login and password | Home Page appears |
| Forgot Password | Ask for email and send pwd |

**Registration:**

|  |  |
| --- | --- |
| Test Action | Expected Results |
| Empty Login | Login Required |
| Empty Password | Password required |
| Empty first name | Successful registration |
| Empty last name | Successful registration |
| Password does not match verify | The two must match message |
| Special characters in name | Accept/register |
| Spaces in password | register |

**User Home:**

|  |  |
| --- | --- |
| Test Action | Expected Results |
| Edit link with none chosen | Login Required |
| Empty Password | Password required |
| Empty first name | Successful registration |
| Empty last name | Successful registration |
| Password does not match verify | The two must match message |
| Special characters in name | Accept/register |
| Spaces in password | register |

**Add/Edit Link:**

|  |  |
| --- | --- |
| Test Action | Expected Results |
| Empty link name | Return to page and notify user |
| Empty link value | Return to page and notify user |
| Save | Data stored, return to home page with message |
| Cancel | Return to home page |
| Reset | Reload data and stay on this page |
| Delete | Delete current link and return to home page |
| Delete with no link | Delete is disabled/invisible in this case |
| Max link size with save | As save above |
| Link size too big with save | Notify user and return to this page |
| Max link name size with save | As save above |
| Link name size too big with save | Notify user and return to this page |

**View My Data:**

|  |  |
| --- | --- |
| Test Action | Expected Results |
| Verify data is correct | Data is correct |