

HONEY...WE'RE HOME

PROPOSAL

by

Dawn Baker

For

Brent Scott

Capstone Project

Due Date

December 19, 2019

Phase 2 Update

For

Steve George

Due Date

June 4, 2020

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PROPOSAL

To: scott-media.com c/o The University of Winnipeg

From: Dawn Baker baker-d39@webmail.uwinnipeg.ca

Re: Capstone Project for University of Winnipeg's WDD program

Date: December 19, 2019

1.0 Description of Web Site:

“Honey We’re Home” is designed to provide information about the different neighborhoods in the City of Winnipeg. Information available will include safety, traffic, bus routes, convenience to grocery stores and schools. There are always newcomers to the city and the

main question they will ask any Winnipeg native is “where is a good place to live?” This is a great opportunity for a Web site that can provide this information.

2.0 Goals of the site:

“Honey We’re Home” will provide an interactive Web site targeted primarily to Immigrants looking to move to Winnipeg. The Web site will consist of data collected by crowdsourcing from current and previous residents in those neighborhoods, so the site will include a form section where current residents can vote for their area. It will also include a map of the City of Winnipeg with the neighborhoods listed and a section on news releases and community events. The main goal is that “Honey We’re Home” becomes a crucial stop for any newcomer to the city.

3.0 Target Audiences:

Winnipeg has experienced a large influx of immigrants to Winnipeg, many of them refugees and international students, coming here for a better life and education. “Honey We’re Home” will be targeted primarily to immigrants, providing needed information even before they move here, so they will be better prepared knowing what neighborhoods provide the amenities they require. I will have a section that can add ethnic community events, ethnic food stores and where they are located and places of worship.

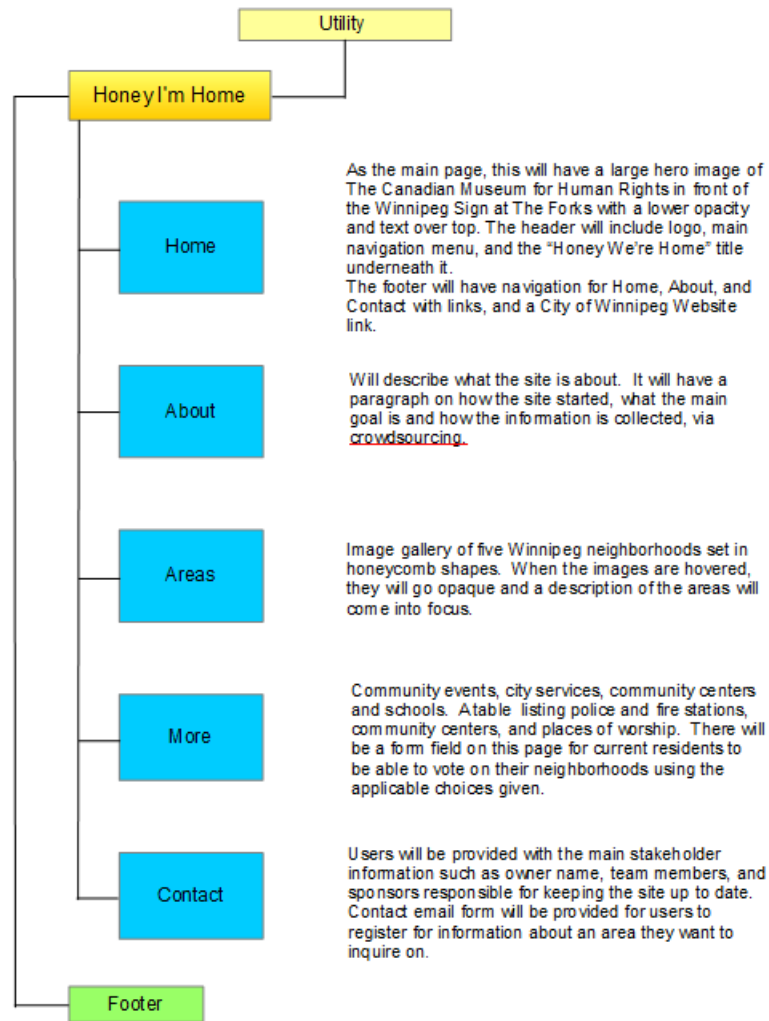
“Honey We’re Home” would also provide vital information for another demographic; the young single female. Moving out on your own at a young age, and as a female, can be scary enough without having to worry about safe neighborhoods and transportation worries.

“Honey We’re Home” can provide that information quickly and easily. There will be a list of Safe Ride options and contact information on the site.

Other audiences, including parents of children moving out on their own, church groups and community centers could find this site informative as well. Social service agencies, providing shelter information for clients, could find this site useful and relay the information to their clients.

As most people are now tech savvy, the site will be mobile friendly with the ability to appear optimized in most browser windows.

4.0 Storyboard:

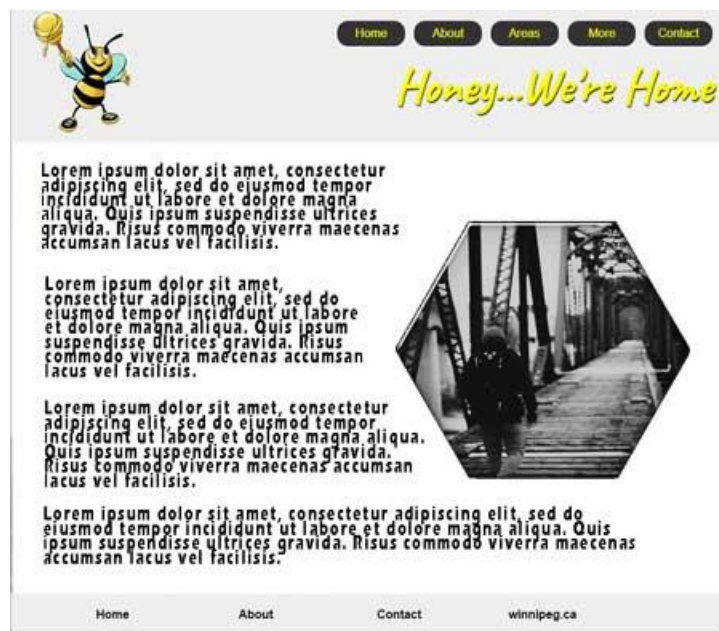


5.0 Design Mock-ups

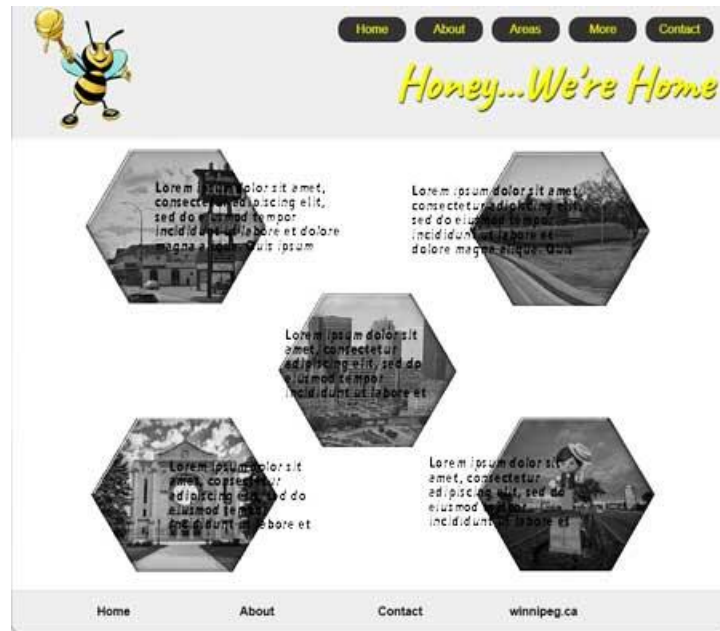
5.1 Home Page



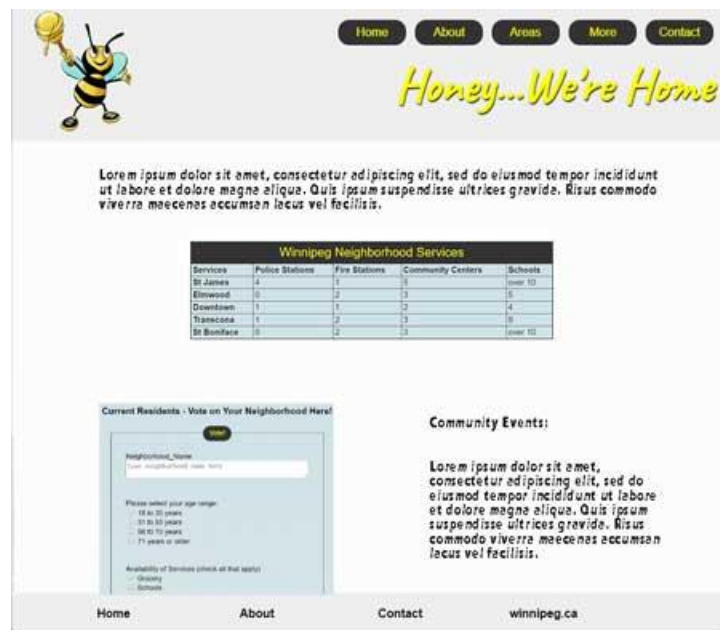
5.2 About Page



5.3 Areas Page



5.4 More Page



5.5 Contact Page

Honey...We're Home

123 Any St.
Winnipeg, MB
R2A1A1
204-555-5555

Company Owner and Creator
Dawn Baker
Sources: Community, City of
Winnipeg

Personal Info

First Name:

Last Name:

Email:

Phone Number:

Would you like more information on one of these areas? Please choose from the list below:

Area:

Home About Contact winnipeg.ca

6.0 Qualifications

I am a student in good standing at the University of Winnipeg PACE program, working towards my Web Development Diploma. Courses completed and skills mastered:

- A developing knowledge of Adobe Photoshop and using Type, Layers and Vector Shapes to create Website mock-ups.
- Understand the concepts of contrast, alignment, repetition, and proximity and how they relate to good Web design.
- Know how to create a Web site that is visually appealing and accessible to different audiences.
- Proficient in HTML and understand proper semantic markup and ensuring it will validate properly so there are no issues with display.

- Able to use CSS formatting to make the design of the website user friendly, mobile friendly, and visually appealing.
- Able to create fun animations and use shadows, web friendly fonts, and curved borders to make Web sites interesting.

7.0 Timelines/Budget

7.1 Phases of Development

7.1.1 Planning/Exploration

This phase will be completed on December 11, 2019. On this date I will hand in a draft copy of the proposed outline, sitemap, goals of the site, and target audience descriptions to the instructor for review and approval.

7.1.2 Design/Content

This phase of the project will be completed by December 12, 2019. On this date I will have the design mockups completed in Photoshop for approval to begin coding and programming.

7.1.3 Coding/Programming

This phase of the project will be completed on December 18, 2019. Beta testing will begin, and any minor issues will be corrected before launch date.

7.1.4 Launch/Maintenance

On December 19, 2019, the site will go live on the Salsa server at which time I will present my Capstone Project to my instructor and the class.

7.2 Line Item Budget

Item number	Description	Hours	Amount (CAD)
1	Planning/Exploration	2	30.00
2	Design/Content	5	75.00
3	Coding/Programming	50	750.00
4	Launch/Miscellaneous	5	75.00
	Total Cost Budget		930.00

8.0 Conclusion

Thank you very much for the opportunity to work on this project and create an interesting website for people looking to move to Winnipeg and know more information about the neighborhoods. I look forward to feedback from you and the public about how this site is functioning in its ability to relay data.

8.0 Invoice

DB Design Solutions		INVOICE	
o/o Dawn Baker 123 Any St Winnipeg, MB R2A1A1 Phone: 204-555-5555		INVOICE # 100 DATE: DECEMBER 19, 2019	
TO soott-media.com o/o The University of Winnipeg 460 Portage Ave Winnipeg, MB Customer ID 101			
DEVELOPER	CLIENT	PAYMENT TERMS	HOURLY RATE (CAD)
Dawn Baker	soott-media.com	Due on receipt	15.00
DESCRIPTION	HOURS	LINE TOTAL	
Develop timeline and budget	2	30	
Develop graphic designs	3	45	
Create organized PSDs	5	75	
Review and update content outline	1	15	
Create and optimize homepage	8	120	
About page	2	30	
Areas page	5	75	
More page	2	30	
Content page	2	30	
Validating HTML	2	30	
CSS coding and validating	15	225	
Responsive design coding	12	180	
Administrative Fees		50	
		SUBTOTAL	935.00
		SALES TAX	65.45
		TOTAL	1000.45
Make all checks payable to DB Design Solutions If you have any questions concerning this invoice, contact Dawn Baker 204-555-5555			
THANK YOU FOR YOUR BUSINESS!			

PROPOSAL PHASE 2

To: edu@pagerange.com c/o The University of Winnipeg

From: Dawn Baker baker-d39@webmail.uwinnipeg.ca

Re: Phase 2 of Capstone Project for University of Winnipeg's WDD program

Date: May 28, 2020

2.1.0 Description of Phase 2

Phase 2 of Honey..We're Home will be to upgrade to PHP and database driven design.

This includes creating a database in MySQL and editing the site to use PHP to output dynamic content on some pages instead of static content. This will allow the site to be edited easily as it will rely on database information to populate the fields instead of having to edit each page individually with HTML, which will ultimately save time and make the website easier to manage by anyone administering the site.

There will be a creation of a separate Administrative part of the site, that can only be accessed by authorized users. This will have a login authorization and will include pages where information on each table can be edited. The database will include tables on neighborhoods, users, baskets, and orders and these are tables that will be editable by authorized users using the CRUD principle; Create, Read, Update, Delete.

2.2.0 Collection of Data and How It Will Be Used

2.2.1 Neighborhoods Table

Includes information such as name, location in the city, a description, an image, rating scale, services available and house prices. Services data will include whether the neighborhoods have a police station, fire station, library, or pool,

based on a yes or no, the number of primary schools, secondary schools, churches, and playgrounds and the names of community centres in the area.

2.2.2 Users Table

A registration form will collect a user's full name, email, phone number, address, city, province, postal code, country and a password. This registration info will be stored in the database.

2.2.3 Baskets Table

Users will be able to create and name a basket that will include the user's choice of neighborhood and the date the basket was created. Users will be able to have multiple baskets with one neighborhood per basket.

2.2.4 Orders Table

This table will show list of baskets the user has. Users will be able to delete their baskets at any time they want and create new baskets.

2.3.0 Interaction

2.3.1 Users

Registered Users will be able to login to the site and view detailed information about neighborhoods from the site and create baskets of neighborhoods that they can view on their profile page. They will be able to add a basket, delete a basket and logout. Unregistered users will not be able to add baskets, just browse the site. If they click on the add to basket a link will direct them to register as a user.

2.3.2 Administrators

Administrators will be able to login as admin to access the CRUD site. This will be a mini website that will show a Dashboard page, Neighborhoods page, Users

page, Baskets page, and Orders page. Each page will have a list view of all editable entities where the administrator will be able to click on the edit link which will take them to a detail page that will allow them to update and add information. When the submit button is clicked, the database table will update with the new information and show a success or fail message.

2.4.0 Security Considerations

XSS Protection

Cross Site Scripting is an injection type attack on a website designed to inject malicious code into a trusted website and unknowingly access user data and corrupt websites. We will prevent this by sanitizing data and escaping user input before it can be maliciously interpreted.

CSRF Protection

Ensure GET requests are free from side effects and that non-GET requests can only be originated from your client-side code. All sensitive data will be accessed through POST requests.

Validation

A standard Validator form will be used to ensure user and administrator authentication information is correct before submission. All passwords will be encrypted with a hash so only the authenticated user will have access to their password.

Only Administrative users will have access to the backend page, which will prevent unauthorized access to those pages.

2.5.0 Timelines/Budget

2.5.1 Design and Content

Mock-ups will be completed on April 20, 2020 for approval for Programming

2.5.2 Coding/Programming

Creating database tables with fields to accept data, that is inserted into web forms.

Coding and programming of existing HTML content converted to PHP, maintaining original design and functionality. Complete validation script and create required pages to output dynamic content to webpages. Create User Registration and login pages. Create Admin site pages, edit pages and process scripts. Will be completed on May 11, 2020.

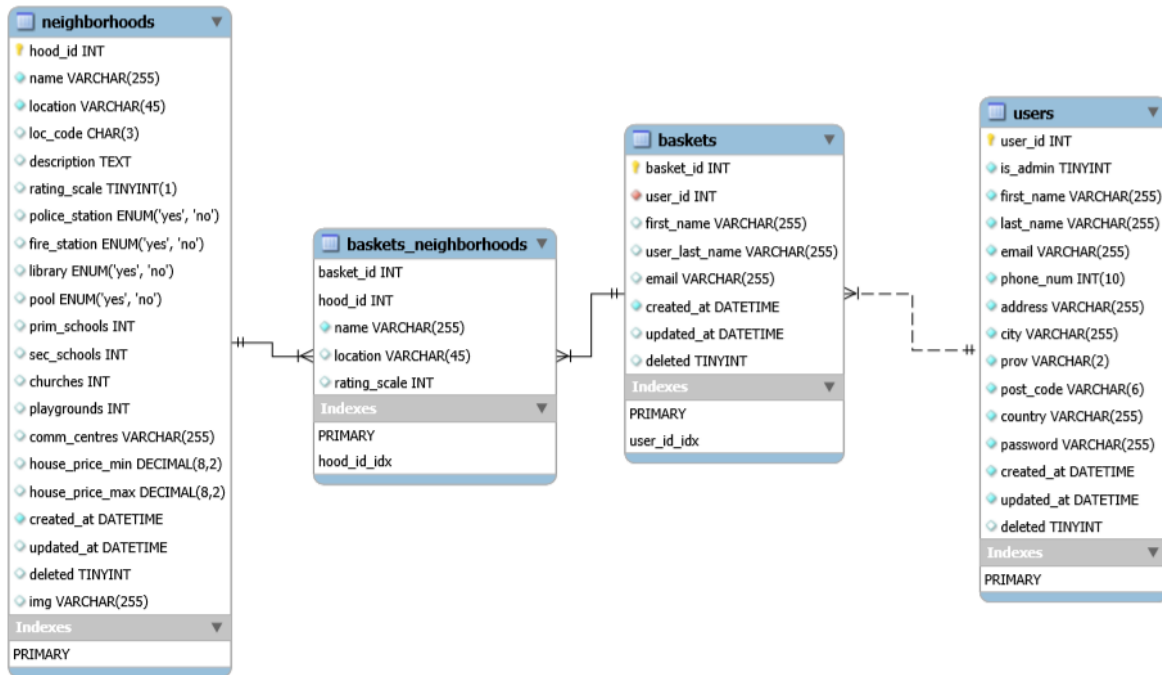
2.5.3 Launch/Maintenance

June 4, 2020 launch date. Final site will go live on Digital Ocean server.

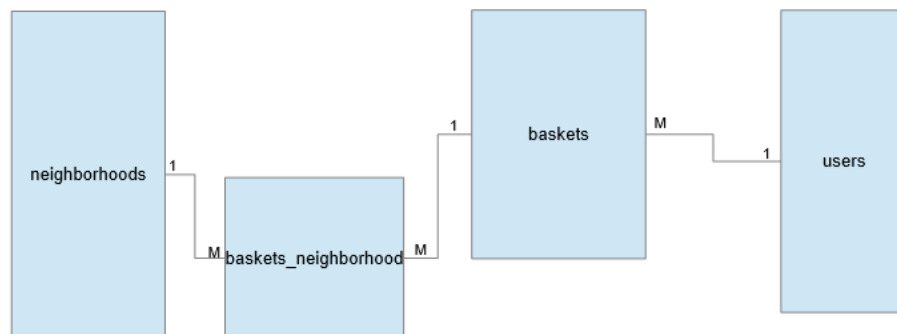
2.5.4 Phase 2 Pricing

Item number	Description	Hours	Amount (CAD)
1	Design/Content	2	30.00
2	Coding/Programming	80	1200.00
4	Launch/Miscellaneous	5	75.00
	Total Cost Budget		1305.00

2.6.0 ERD and Data Models

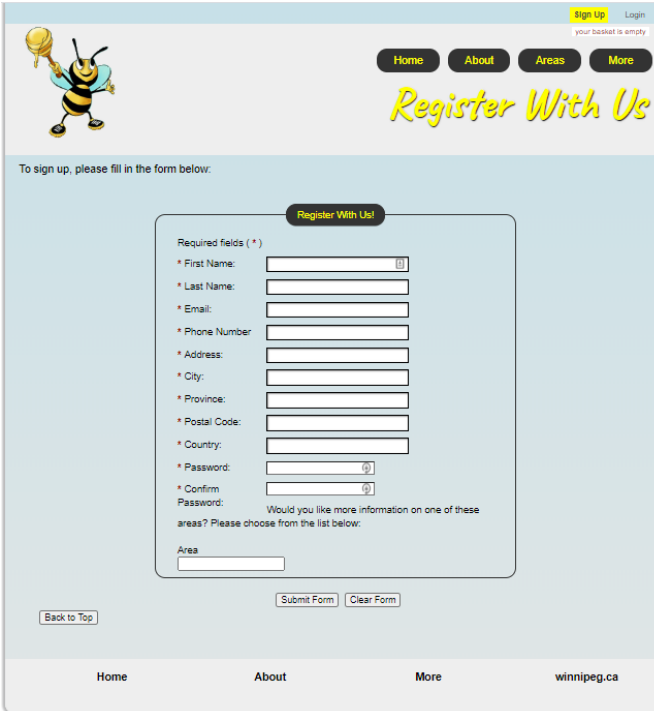


Conceptual Data Model



2.7.0 Front End Dynamic Pages

Registration Page



The screenshot shows a web page for registration. At the top left is a cartoon bee logo. To its right are navigation buttons: Home, About, Areas, and More. Further right are links for Sign Up (highlighted) and Login, with a note "your basket is empty". The main heading "Register With Us" is in a large, stylized yellow font. Below it, a text prompt says "To sign up, please fill in the form below:". A central form box contains a "Register With Us!" button and a list of required fields: First Name, Last Name, Email, Phone Number, Address, City, Province, Postal Code, Country, Password, and Confirm Password. Each field has a corresponding input box. Below the fields is a question: "Would you like more information on one of these areas? Please choose from the list below:" followed by an "Area" input box. At the bottom of the form are "Submit Form" and "Clear Form" buttons. A "Back to Top" button is located at the bottom left of the page. The footer contains the same navigation buttons and the URL "winnipeg.ca".

Sign Up Login
your basket is empty

Home About Areas More

Register With Us

To sign up, please fill in the form below:

Register With Us!

Required fields (*)

* First Name:

* Last Name:

* Email:

* Phone Number:

* Address:

* City:

* Province:

* Postal Code:

* Country:

* Password:

* Confirm Password:

Would you like more information on one of these areas? Please choose from the list below:

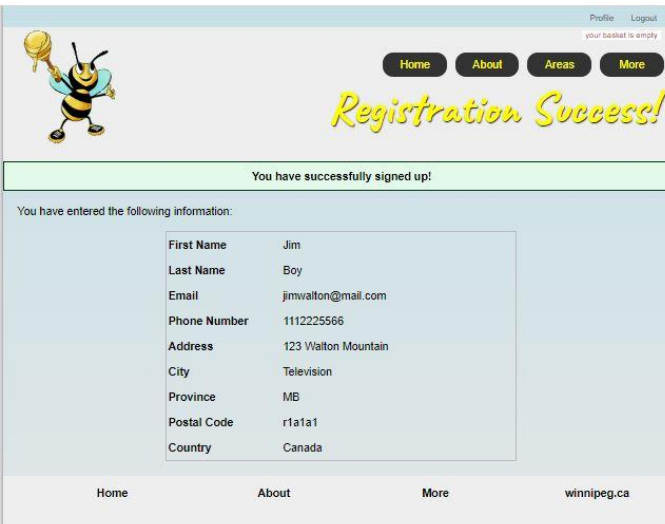
Area:

Back to Top

Submit Form Clear Form

Home About More winnipeg.ca

Success Page



The screenshot shows a "Registration Success" page. At the top left is the same cartoon bee logo. To its right are navigation buttons: Home, About, Areas, and More. Further right are links for Profile and Logout, with a note "your basket is empty". The main heading "Registration Success!" is in a large, stylized yellow font. Below it, a green banner says "You have successfully signed up!". Underneath, a text prompt says "You have entered the following information:". A table displays the user's registration details. The footer contains the same navigation buttons and the URL "winnipeg.ca".

Profile Logout
your basket is empty

Home About Areas More

Registration Success!

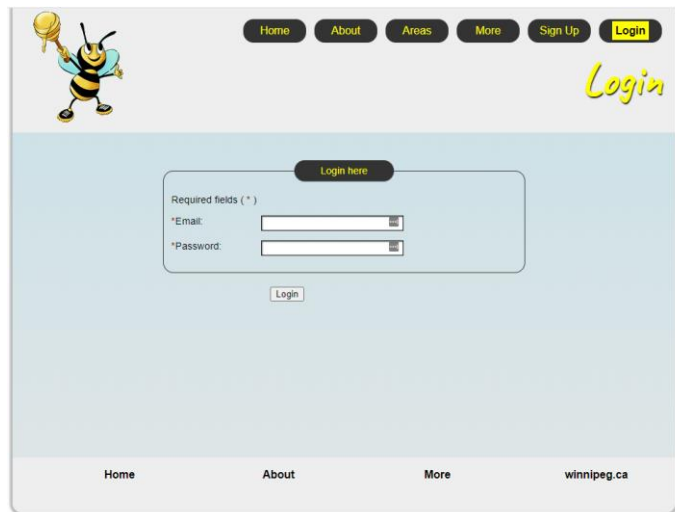
You have successfully signed up!

You have entered the following information:

First Name	Jim
Last Name	Boy
Email	jimwalton@mail.com
Phone Number	1112225566
Address	123 Walton Mountain
City	Television
Province	MB
Postal Code	r1a1a1
Country	Canada

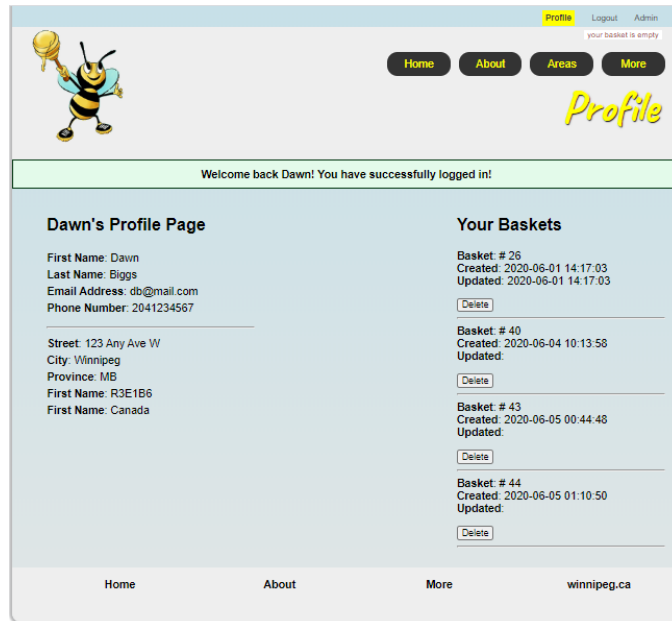
Home About More winnipeg.ca

Login Page



The screenshot shows a web application's login page. At the top left is a cartoon bee mascot holding a golden bell. To its right is a horizontal navigation bar with buttons for Home, About, Areas, More, Sign Up, and Login. The word "Login" is also written in a large, stylized yellow font on the right side of the page. In the center, there is a "Login here" button above a form. The form has two input fields: "*Email:" and "*Password:", both with small "x" icons to clear the text. Below the form is a "Login" button. At the bottom of the page is a footer with links for Home, About, More, and the website URL "winnipeg.ca".

Login Success

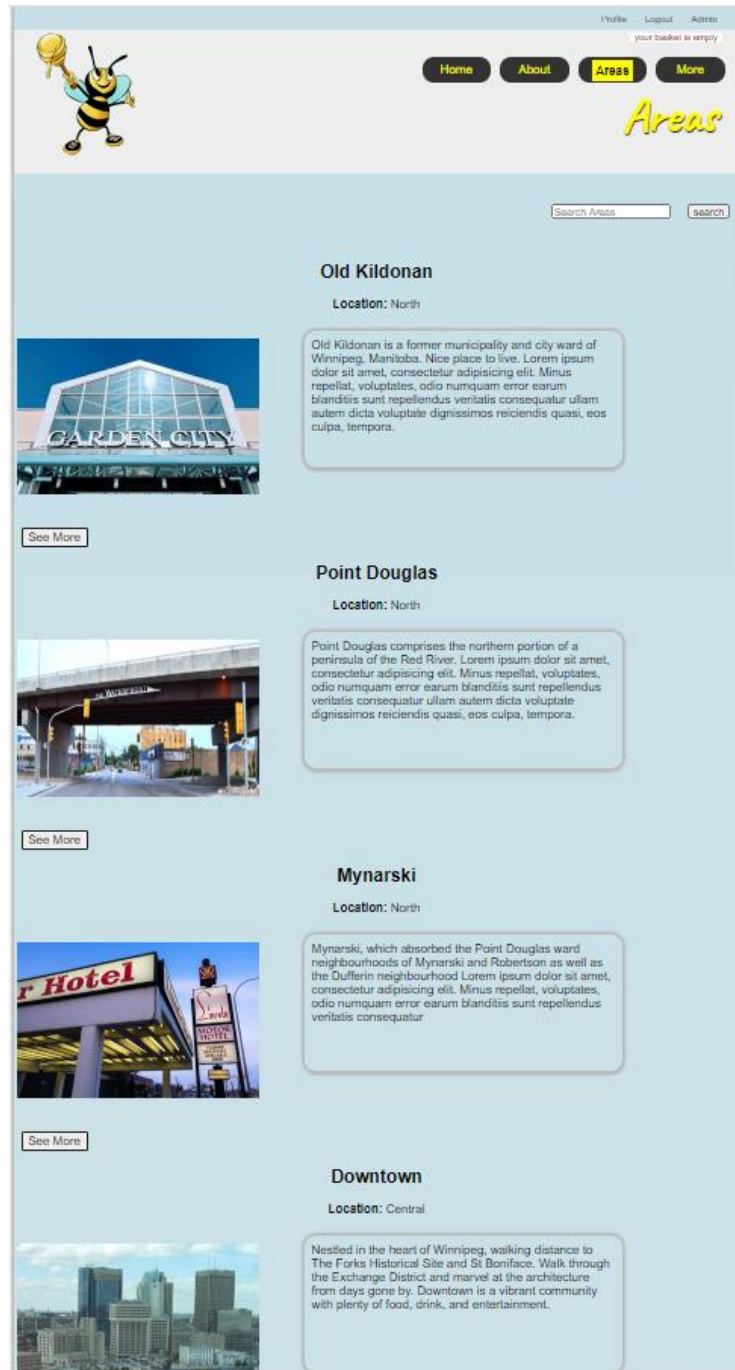


The screenshot shows the user's profile page after a successful login. The top navigation bar now includes "Profile", "Logout", and "Admin" in addition to the previous links. The word "Profile" is written in a large, stylized yellow font on the right. A green banner at the top of the main content area reads "Welcome back Dawn! You have successfully logged in!". The page is divided into two columns. The left column, titled "Dawn's Profile Page", displays user information: First Name: Dawn, Last Name: Biggs, Email Address: db@mail.com, Phone Number: 2041234567, Street: 123 Any Ave W, City: Winnipeg, Province: MB, First Name: R3E1B6, and First Name: Canada. The right column, titled "Your Baskets", lists three baskets with their IDs, creation and update timestamps, and a "Delete" button for each. The footer remains the same with links for Home, About, More, and the website URL "winnipeg.ca".

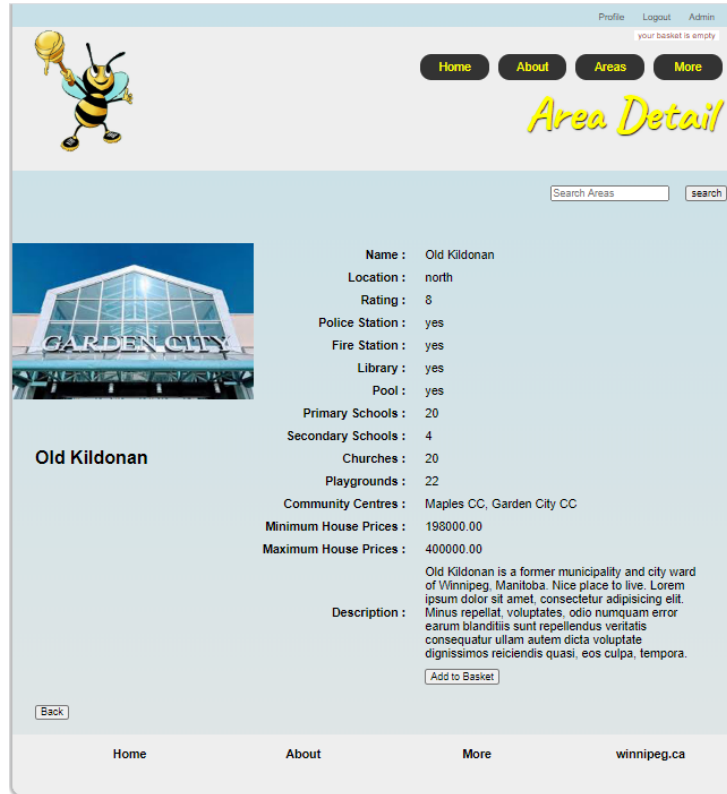
Dawn's Profile Page	
First Name:	Dawn
Last Name:	Biggs
Email Address:	db@mail.com
Phone Number:	2041234567
Street:	123 Any Ave W
City:	Winnipeg
Province:	MB
First Name:	R3E1B6
First Name:	Canada

Your Baskets	
Basket #	26
Created:	2020-06-01 14:17:03
Updated:	2020-06-01 14:17:03
Delete	
Basket #	40
Created:	2020-06-04 10:13:58
Updated:	
Delete	
Basket #	43
Created:	2020-06-05 00:44:48
Updated:	
Delete	
Basket #	44
Created:	2020-06-05 01:10:50
Updated:	
Delete	

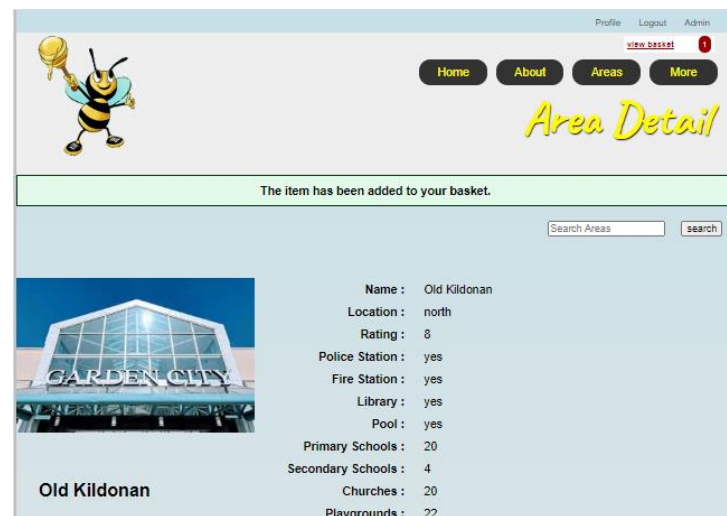
List View



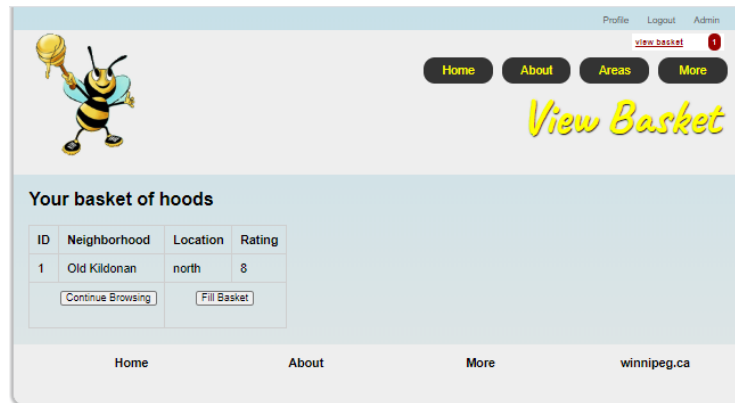
Detail View



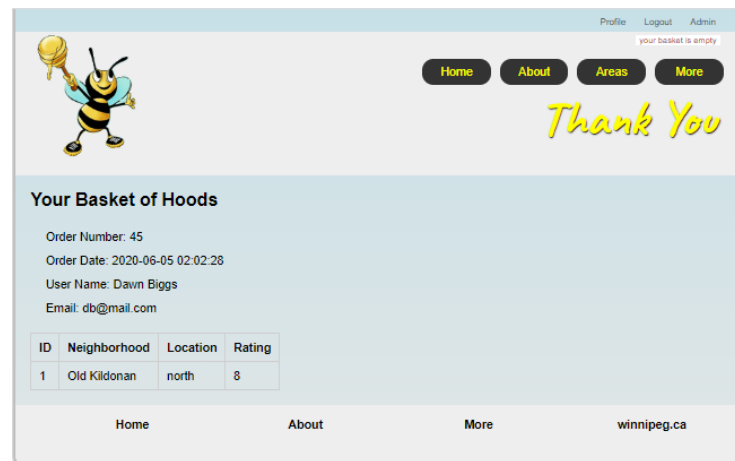
Add to Basket



View Bakset



Thank You Page



2.8.0 Admin Site Pages

Summary List View

Neighborhood Admin

Honey...We're Home

Dashboard

Neighborhoods

Users

Baskets

Logout

Dashboard

Summary

Overview	Neighborhoods
Total Neighborhoods: 20 Total Users: 8 Total Baskets: 17	Minimum House Price: \$54000.00 Maximum House Price: \$2200000.00

Edit List View

Neighborhood Admin

Honey...We're Home

Dashboard

Neighborhoods

Users

Baskets

Logout

Search Neighborhoods

search

Add Neighborhood

ID	Neighborhood	Location	Rating	Description	Actions
1	Old Kildonan	north	8	Old Kildonan is a former municipality and city ward of Winnipeg, Manitoba. Nice place to live. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus veritatis consequatur ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.	<div>edit</div> <div>Delete</div>
2	Point Douglas	north	2	Point Douglas comprises the northern portion of a peninsula of the Red River. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus veritatis consequatur ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.	<div>edit</div> <div>Delete</div>
3	Mynarski	north	5	Mynarski, which absorbed the Point Douglas ward neighbourhoods of Mynarski and Robertson as well as the Dufferin neighbourhood Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus veritatis consequatur	<div>edit</div> <div>Delete</div>
4	Downtown	central	4	Nestled in the heart of Winnipeg, walking distance to The Forks Historical Site and St Boniface. Walk through the Exchange District and marvel at the architecture from days gone by. Downtown is a vibrant community with plenty of food, drink, and entertainment.	<div>edit</div> <div>Delete</div>
5	North Kildonan	north east	6	North Kildonan is home to many green spaces, the largest of which is Kilona Park, located on Springfield Avenue east of Lagimodiere Boulevard. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus veritatis consequatur .	<div>edit</div> <div>Delete</div>
6	East Kildonan	north east	6	East Kildonan is a primarily residential community in Winnipeg, Manitoba, Canada, located in the northeast part of the city. Commonly known by its initials "E.K." Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus veritatis consequatur .	<div>edit</div> <div>Delete</div>
7	Elmwood	north east	3	Found in the northeast end of the city, over the Disraeli Bridge. Elmwood runs along Henderson Hwy and the Red River. You will find plenty of churches and community centers in this neighborhood	<div>edit</div> <div>Delete</div>
8	Transcona	east	7	Transcona is located in the east end of Winnipeg, on Regent Ave. It is considered a great place to raise a family. Every summer, Transcona hosts the Hi Neighbour Festival, where residents gather at a family carnival set right on the main street! Better love flamingos if you want to live here!	<div>edit</div> <div>Delete</div>
9	St Boniface	south east	5	Viva la Francals! St Boniface is home to Winnipeg's francophone community, the St Boniface Hospital, Louis Riel's home, and the French University. The beautiful basilica on Tache is a prime spot for wedding photos. Come find your inla da vivre in historic St Boniferal	<div>edit</div> <div>Delete</div>

Edit Form

Neighborhood Admin

Home...We're Home

Dashboard

Neighborhoods

Users

Baskets

Logout

Neighborhood Edit

Neighborhood:

Old Kildonan

Location:

north

Loc Code:

R2P

Description:

Old Kildonan is a former municipality and city ward of Winnipeg, Manitoba. Nice place to live. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error eorum blanditiis sunt repellendus veritatis consequat ulla autem dicta voluptate dignissimos

Image:

oldkildonan.jpg

Rating:

8

Police Station:

yes

Fire Station:

yes

Library:

yes

Pool:

yes

Primary Schools:

20

Secondary Schools:

4

Churches:

20

Playgrounds:

22

Community Centres:

Maples CC, Garden City CC

House Price Minimum:

198000.00

House Price Maximum:

400000.00

Update Neighborhood

Delete Function

Neighborhood Admin Honey...We're Home Dashboard Neighborhoods Users Baskets Logout					
<div>Search Users <input type="button" value="search"/></div>					
Users					
User ID	Registration Date	User Name	Email	City	Postal Code
1	2020-05-10 18:04:34	Dawn Biggs	db@mail.com	Winnipeg	R3E1B6
2	2020-05-10 18:08:39	Vikki Biggs	vb@mail.com	Winnipeg	R1A1A1
3	2020-05-10 18:58:15	Drae Biggs	drae@email.com	Winnipeg	R1B1B1
4	2020-05-20 08:36:34	John Doe	jdoe@mail.com	Winnipeg	R1A1A1
5	2020-06-03 14:07:01	Alice Wonder	alice@mail.com	Winnipeg	r3r3r3
6	2020-06-03 21:41:48	baby cakes	doyou@mail.ca	winnipeg	r1a1a1
8	2020-06-03 21:46:19	John Boy	jbwalton@mail.com	Television	r1a1a1
9	2020-06-05 01:43:33	Jim Boy	jmw Walton@mail.com	Television	r1a1a1

Delete Success

Neighborhood Admin Honey...We're Home Dashboard Neighborhoods Users Baskets Logout					
<div>The record was deleted</div>					
<div>Search Neighborhoods <input type="button" value="search"/></div>					
Neighborhoods					
<div>Add Neighborhood</div>					
ID	Neighborhood	Location	Rating	Description	Actions
2	Point Douglas	north	2	Point Douglas comprises the northern portion of a peninsula of the Red River. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error eorum blanditis sunt repellendus veritatis consequatur ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.	<div><div>edit</div><div>delete</div></div>

Users List View

capstone.dbdesignsolution.com says Are you sure you want to delete?					
<div>OK Cancel</div>					
Neighborhoods					
<div>Add neighborhood</div>					
ID	Neighborhood	Location	Rating	Description	Actions
1	Old Kildonan	north	8	Old Kildonan is a former municipality and city ward of Winnipeg, Manitoba. Nice place to live. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error eorum blanditis sunt repellendus veritatis consequatur lorem ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.	<div><div>edit</div><div>delete</div></div>
3	Point Douglas	north	2	Point Douglas comprises the northern portion of a peninsula of the Red River. Lorem ipsum	<div><div>edit</div><div>delete</div></div>

Baskets List View

Neighborhood Admin

Honey...We're Home

Dashboard

Neighborhoods

Users

Baskets

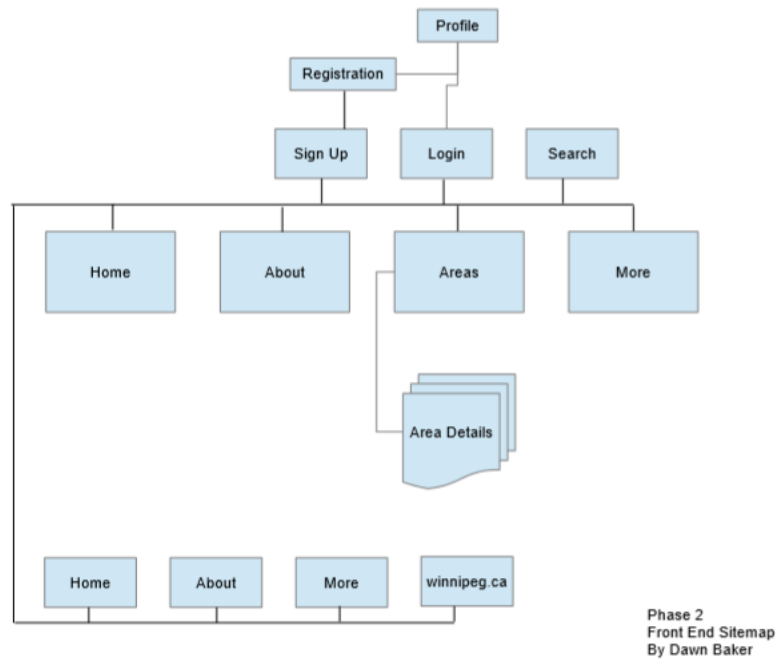
Logout

Baskets

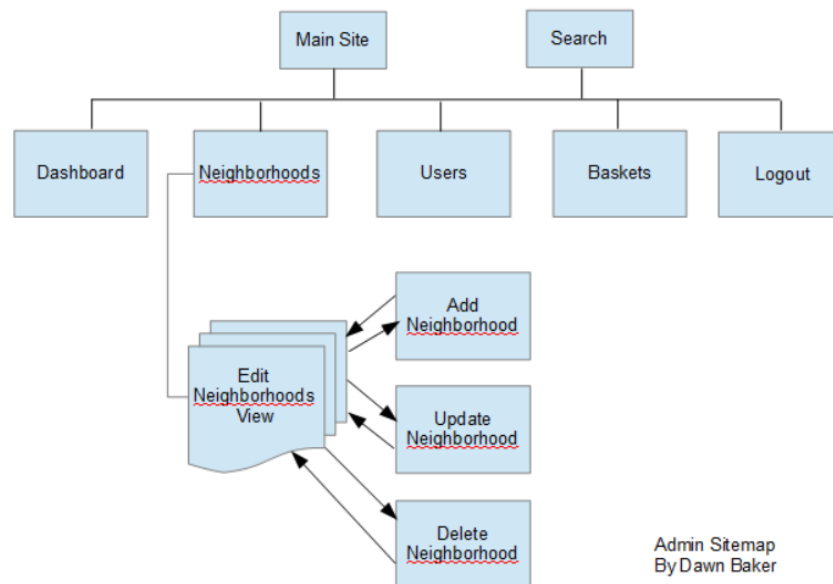
Basket ID	Basket Order Date	User Name	Email
20	2020-06-01 13:23:37	Vikki Biggs	vb@mail.com
21	2020-06-01 13:24:06	Vikki Biggs	vb@mail.com
22	2020-06-01 13:24:45	Vikki Biggs	vb@mail.com
23	2020-06-01 13:28:57	Vikki Biggs	vb@mail.com
25	2020-06-01 13:34:46	Vikki Biggs	vb@mail.com
29	2020-06-01 21:41:49	Drae Biggs	drae@email.com
30	2020-06-02 13:03:15	Drae Biggs	drae@email.com
31	2020-06-02 22:15:56	John Doe	jdoe@mail.com
32	2020-06-02 22:18:17	John Doe	jdoe@mail.com
33	2020-06-03 14:08:49	Alice Wonder	alice@mail.com
34	2020-06-03 18:47:39	Alice Wonder	alice@mail.com
36	2020-06-03 19:07:29	Alice Wonder	alice@mail.com
37	2020-06-03 19:08:25	Alice Wonder	alice@mail.com
40	2020-06-04 10:13:58	Dawn Biggs	db@mail.com
43	2020-06-05 00:44:48	Dawn Biggs	db@mail.com
44	2020-06-05 01:10:50	Dawn Biggs	db@mail.com
45	2020-06-05 02:02:28	Dawn Biggs	db@mail.com

2.9.0 Sitemaps

2.9.1 Front End Sitemap



2.9.2 Admin Sitemap



2.10.0 Phase 2 Invoice

DB Design Solutions		INVOICE	
o/o Dawn Baker 123 Any St Winnipeg, MB R2A1A1 Phone: 204-555-5555		INVOICE # 101 DATE: JUNE 4, 2020	
TO edu@pagerange.com o/o The University of Winnipeg 460 Portage Ave Winnipeg, MB Customer ID 102			
DEVELOPER	CLIENT	PAYMENT TERMS	HOURLY RATE (CAD)
Dawn Baker	edu@pagerange.com	Due on receipt	20.00
DESCRIPTION	HOURS	LINE TOTAL	
Develop timeline and budget	2	\$40.00	
Develop graphic designs	3	\$60.00	
Update and optimize homepage	5	\$100.00	
Add Admin backend pages	10	\$200.00	
Neighborhoods Page	15	\$300.00	
Users page	2	\$40.00	
Baskets page	5	\$75.00	
Orders page	2	\$40.00	
Creating, linking and optimizing links	12	\$240.00	
Adding PHP coding	25	\$500.00	
CSS coding and validating	5	\$100.00	
Administrative Fees		\$50.00	
		SUBTOTAL	\$1,770.00
		SALES TAX	\$230.10
		TOTAL	\$2,000.10

Make all checks payable to DB Design Solutions
 If you have any questions concerning this invoice, contact Dawn Baker 204-555-5555

THANK YOU FOR YOUR BUSINESS!

2.11.0 Conclusion

Thank you very much for the opportunity to work on this project and create an interesting website for people looking to move to Winnipeg and know more information about the neighborhoods. We will make your website more user friendly for both the public and for the backend administrative functions. I look forward to hearing your feedback about how we can make this website fully functional, secure and easy to use.