

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.

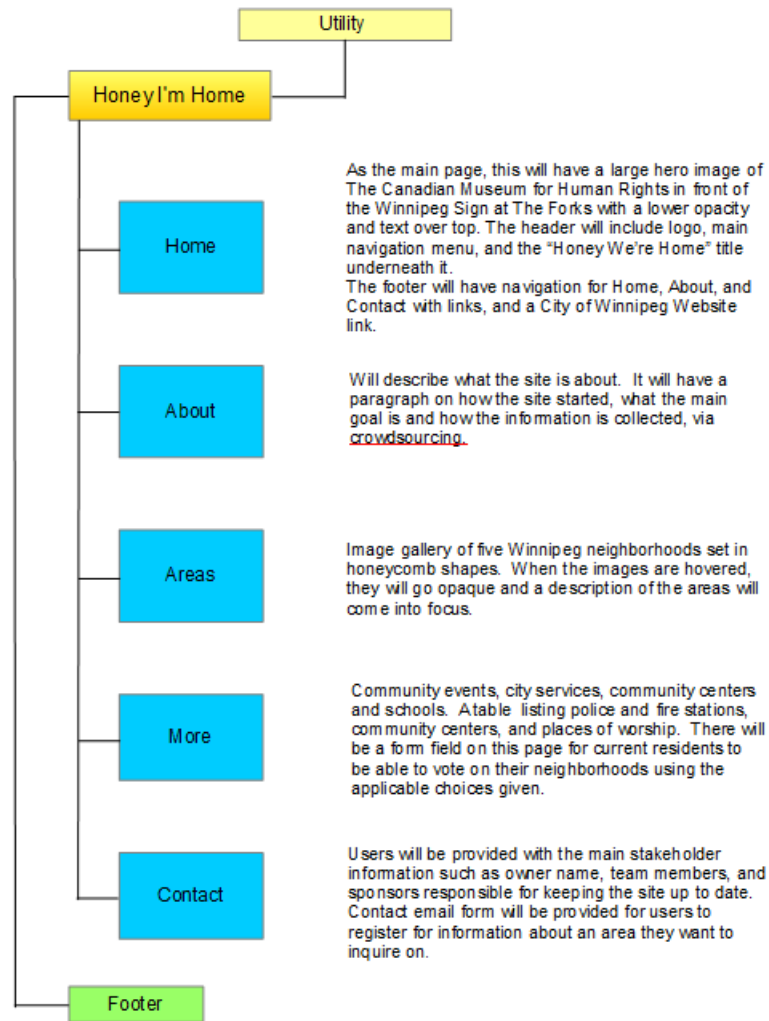
“Honey We’re Home” would also provide vital information for another demographic; the young single female. Moving out on your own at a young age, and as a female, can be scary enough without having to worry about safe neighborhoods and transportation worries.

“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

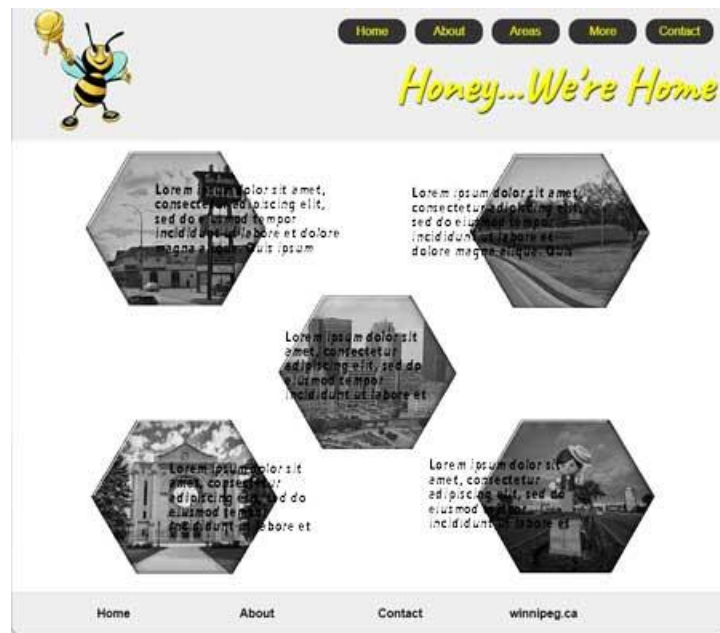
5.1 Home Page



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 entered 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.

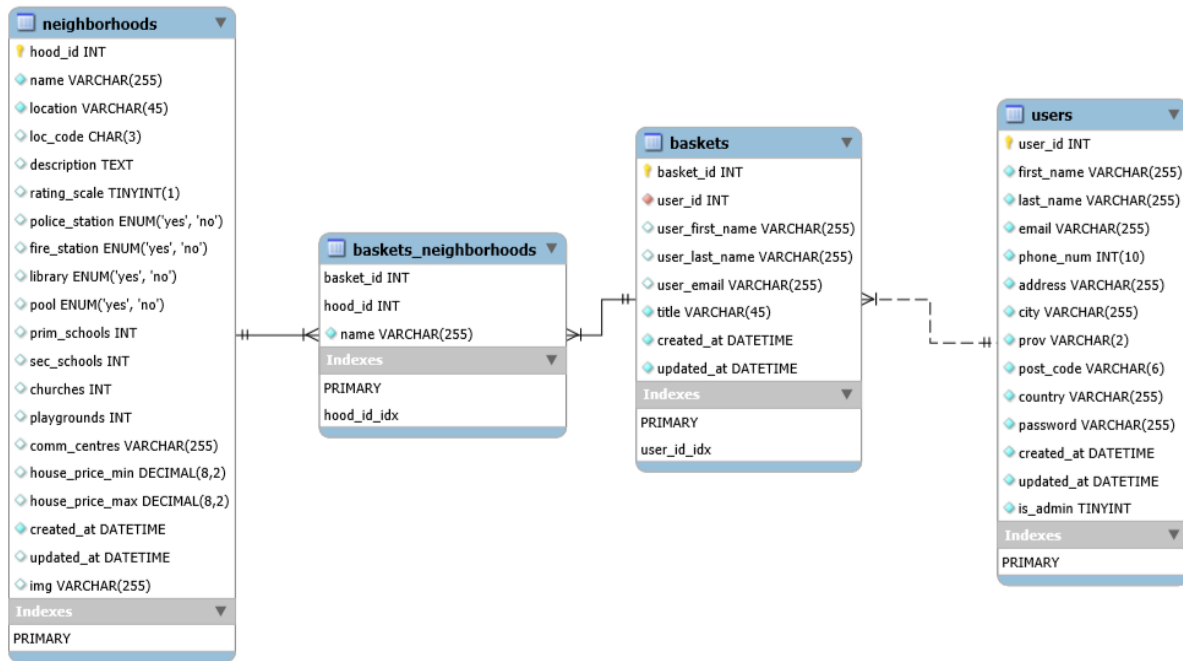
2.5.3 Launch/Maintenance

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

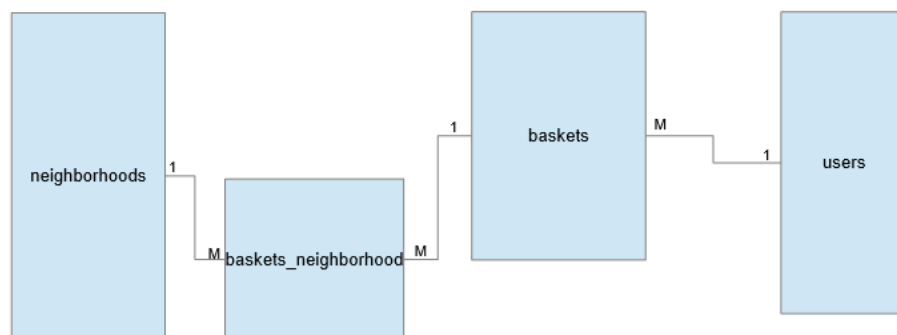
2.5.4 Phase 2 Pricing

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

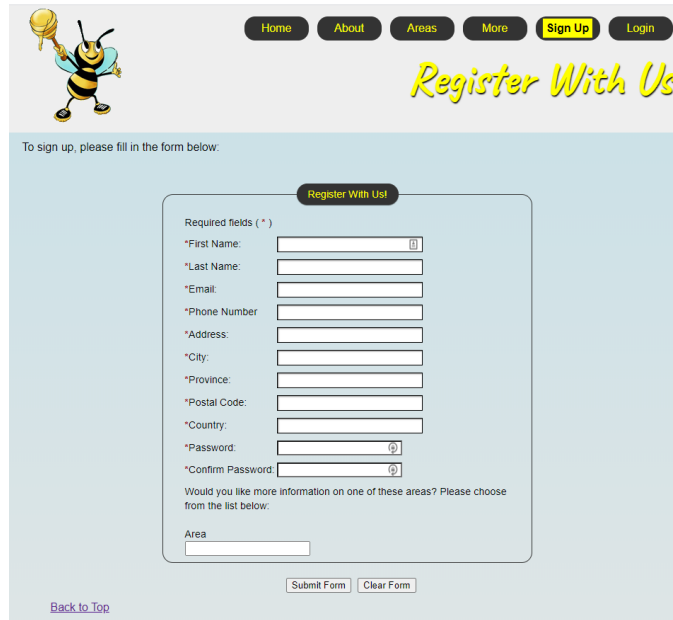


Conceptual Data Model



2.7.0 Front End Dynamic Pages

Registration Page



The screenshot shows the registration page of a website. At the top left is a cartoon bee logo. The navigation bar includes links for Home, About, Areas, More, Sign Up, and Login. The 'Sign Up' link is highlighted. The main heading is 'Register With Us' in a yellow, cursive font. Below this, a message says 'To sign up, please fill in the form below:'. The registration form is titled 'Register With Us!' and contains the following fields: *First Name, *Last Name, *Email, *Phone Number, *Address, *City, *Province, *Postal Code, *Country, *Password, and *Confirm Password. Each field has a small icon indicating it is required. Below the form, there is a question: 'Would you like more information on one of these areas? Please choose from the list below:'. This is followed by a dropdown menu labeled 'Area'. At the bottom of the form are 'Submit Form' and 'Clear Form' buttons. A 'Back to Top' link is located at the bottom left of the page.

Home About Areas More Sign Up Login

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:

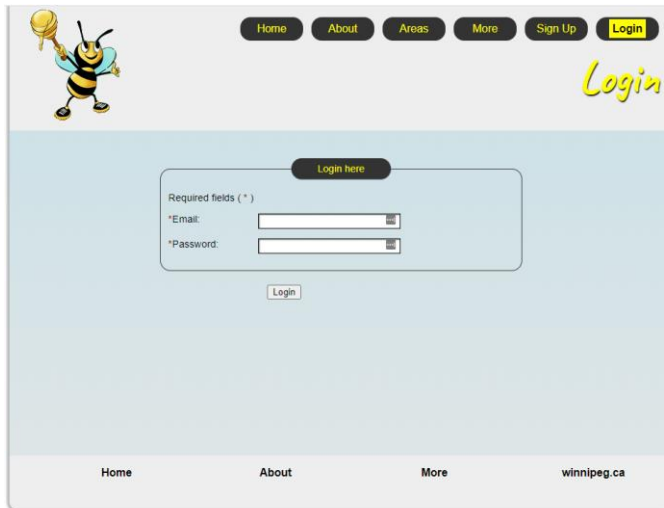
Would you like more information on one of these areas? Please choose from the list below:

Area

Submit Form Clear Form

[Back to Top](#)

Login Page



The screenshot shows the login page of the same website. It features the same cartoon bee logo and navigation bar as the registration page. The 'Login' link is highlighted. The main heading is 'Login' in a yellow, cursive font. Below this, a message says 'Login here'. The login form is titled 'Login here' and contains the following fields: *Email and *Password. Each field has a small icon indicating it is required. Below the form is a 'Login' button. At the bottom of the page, there are links for Home, About, and More, along with the website URL 'winnipeg.ca'.

Home About Areas More Sign Up Login

Login

Login here

Required fields (*)


*Email:

*Password:

Login

Home About More winnipeg.ca

Profile Page



[Home](#) [About](#) [Areas](#) [More](#) [Profile](#) [Logout](#)

Profile


Welcome back Vikki! You have successfully logged in!

Vikki's registration information.

First Name	Vikki
Last Name	Biggs
Email	vb@mail.com
Phone Number	2041235697
Address	123 any st
City	Winnipeg
Province	Manitoba
Postal Code	R1A1A1
Country	Canada

[Home](#) [About](#) [More](#) [winnipeg.ca](#)

List View



[Home](#) [About](#) [Areas](#) [More](#) [Sign Up](#) [Login](#)

Areas

Old Kildonan

Old Kildonan is a former municipality and city ward of Winnipeg, Manitoba. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus ventis consequatur ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.

[More](#)

Point Douglas

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 earum blanditis sunt repellendus ventis consequatur ullam autem dicta voluptate dignissimos reiciendis quasi, eos culpa, tempora.

[More](#)

Mynarski

Mynarski, which absorbed the Point Douglas ward neighbourhoods of Mynarski and Robertson as well as the Dufferin neighbourhood. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus ventis consequatur.

[More](#)

Downtown

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.

[More](#)

North Kildonan

North Kildonan is home to many green spaces, the largest of which is Kildora Park, located on Springfield Avenue east of L'Amourville Boulevard. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus ventis consequatur.

[More](#)

East Kildonan

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 adipiscing elit. Minus repellat, voluptates, odio numquam error earum blanditis sunt repellendus ventis consequatur.

[More](#)

Detail View



HomeAboutAreasMoreContact

Honey...We're Home



LocationEast Winnipeg

Rating6

Police Stationyes

Fire Stationyes

Libraryyes

Primary Schools6

Secondary Schools1

Community Centre2

Churches5

Parks6

Min Price\$89,000.00

Max Price\$240,000.00

AboutSt 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 'joie de vivre' in historic St Boniface!



St Boniface

Viva la Francais!

HomeAboutContactwinnipeg.ca

2.8.0 Admin Site Pages

Edit List View

Neighborhood Admin

DashboardNeighborhoodsUsersBasketsOrdersLogout

Search Neighborhoods

search

Neighborhoods

ID	Neighborhood	Location	Rating	Description	Actions
1	Old Kildonan	north	8	lorem ipsum	<div>edit</div> <div>delete</div>
2	Point Douglas	north	2	lorem ipsum	<div>edit</div> <div>delete</div>
3	Mynarski	north	5	lorem ipsum	<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	lorem ipsum	<div>edit</div> <div>delete</div>
6	East Kildonan	north east	6	lorem ipsum	<div>edit</div> <div>delete</div>

Edit Form

Neighborhood Admin

[Dashboard](#) [Neighborhoods](#) [Users](#) [Baskets](#) [Orders](#) [Logout](#)

Neighborhood Edit

Neighborhood:

location:

Description:

Image:

Rating:

Police Station:

Fire Station:

Library:

Pool:

Primary Schools:

Secondary Schools:

Churches:

Playgrounds:

Community Centres:

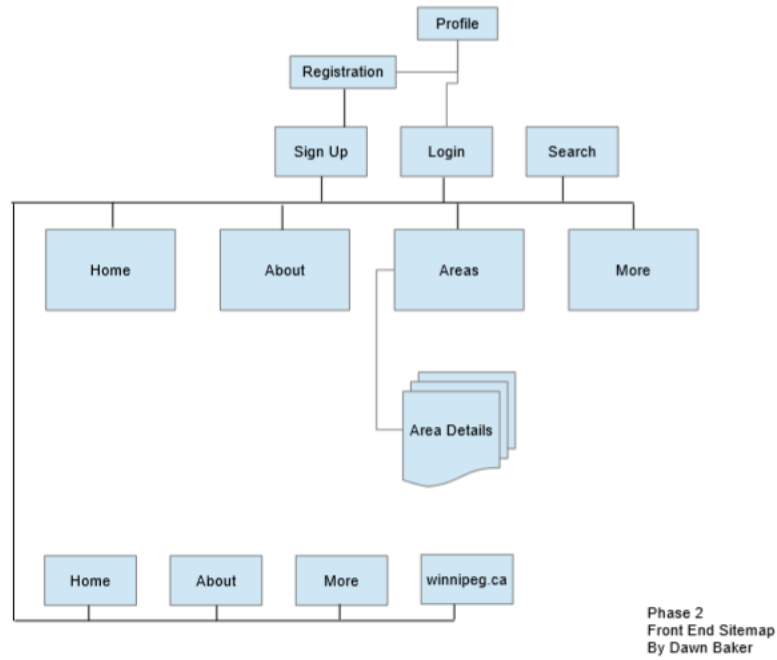
House Price Minimum:

House Price Maximum:

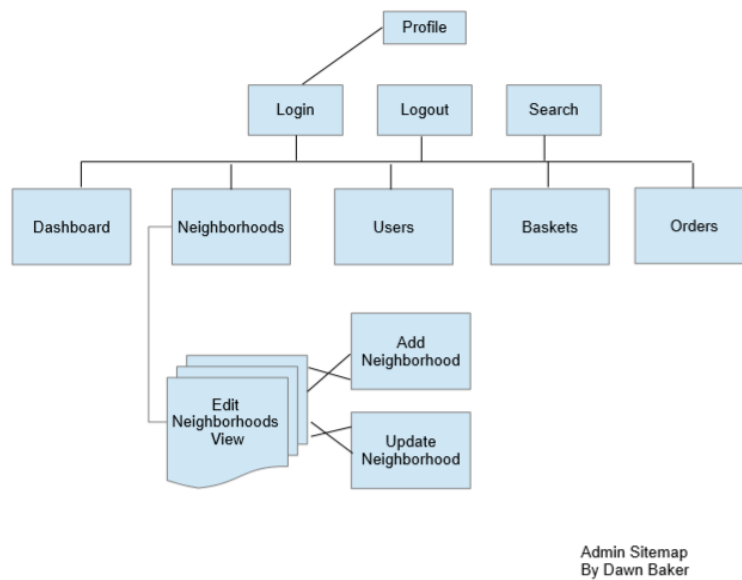
[Update Neighborhood](#)

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.