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

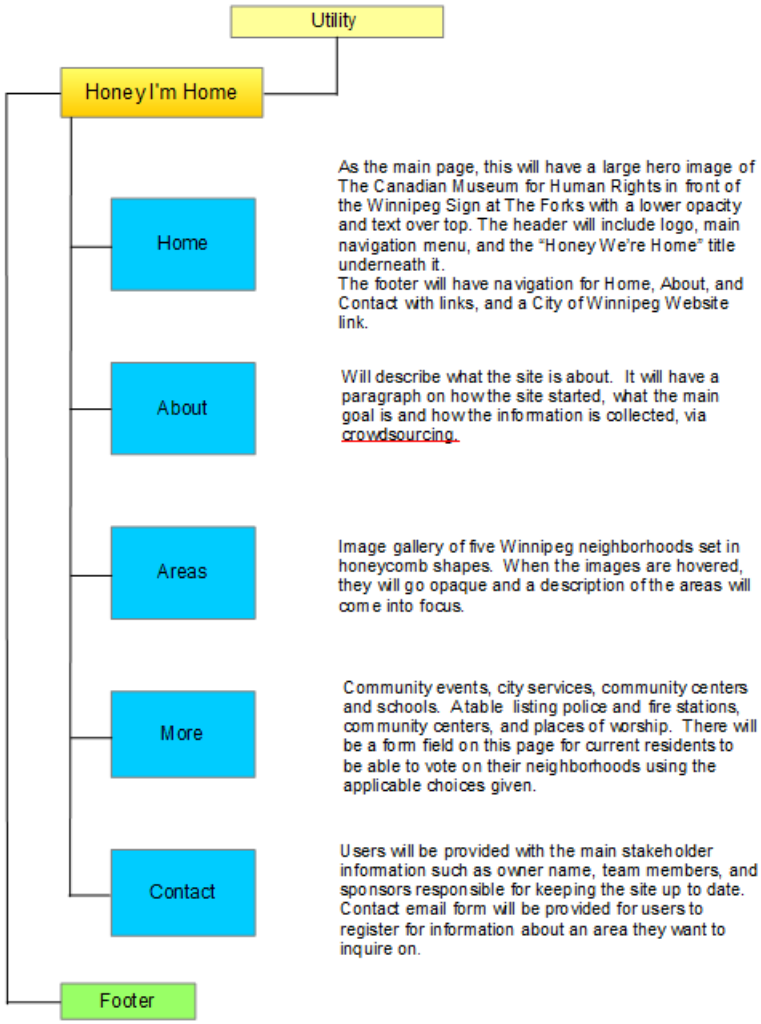
Home" will be targeted primarily to immigrants, providing needed information even before they move here, so they will be better prepared knowing what neighborhoods provide the amenities they require. I will have a section that can add ethnic community events, ethnic food stores and where they are located 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:

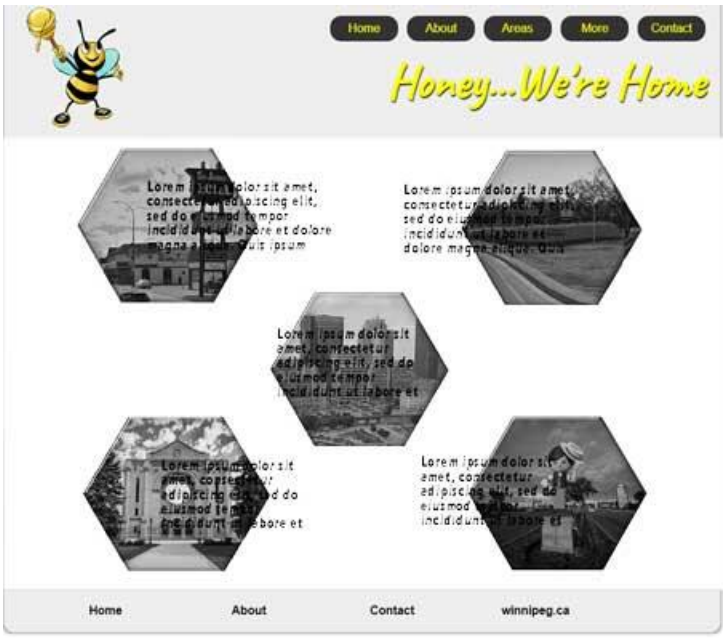


5.0 Design Mock-ups

5.1 Home Page

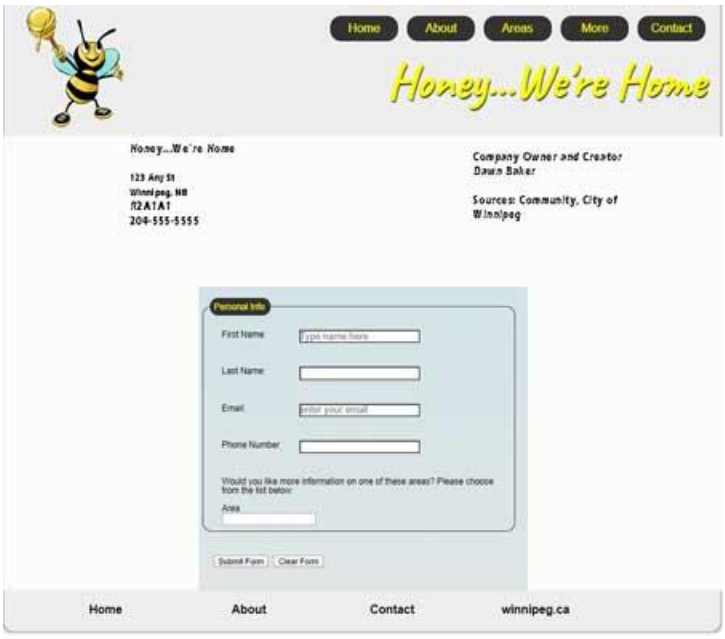
5.2 About Page

5.3 Areas Page



5.4 More Page

5.5 Contact Page



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 scott-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	scott-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.

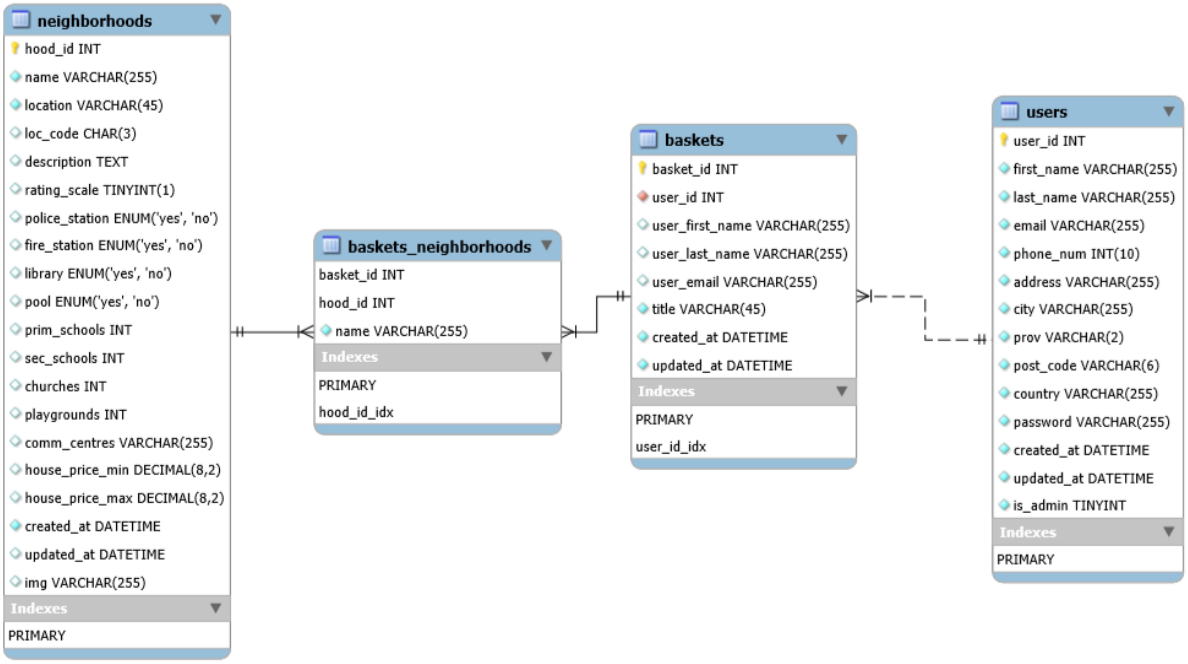
2.5.3 Launch/Maintenance

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

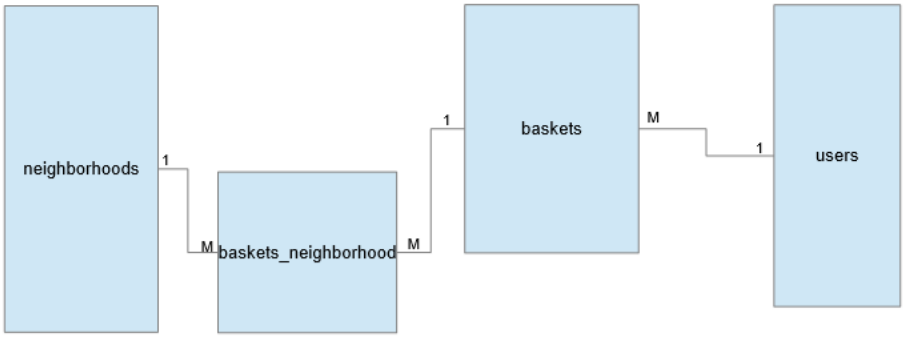
2.5.4 Phase 2 Pricing

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

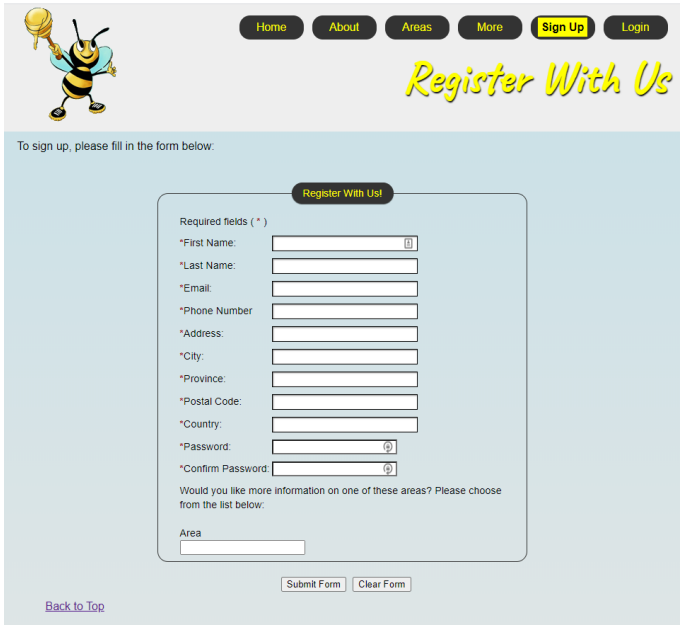


Conceptual Data Model

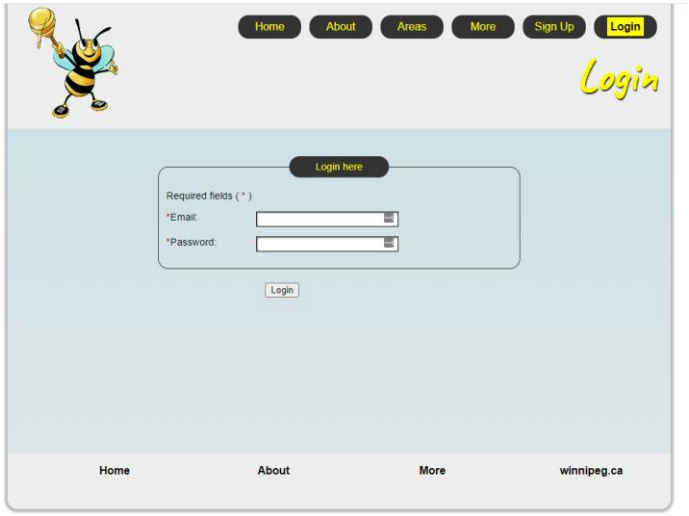


2.7.0 Front End Dynamic Pages

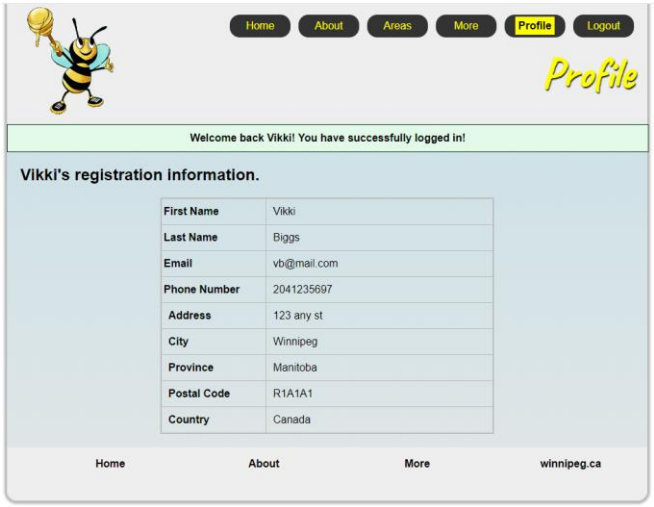
Registration Page



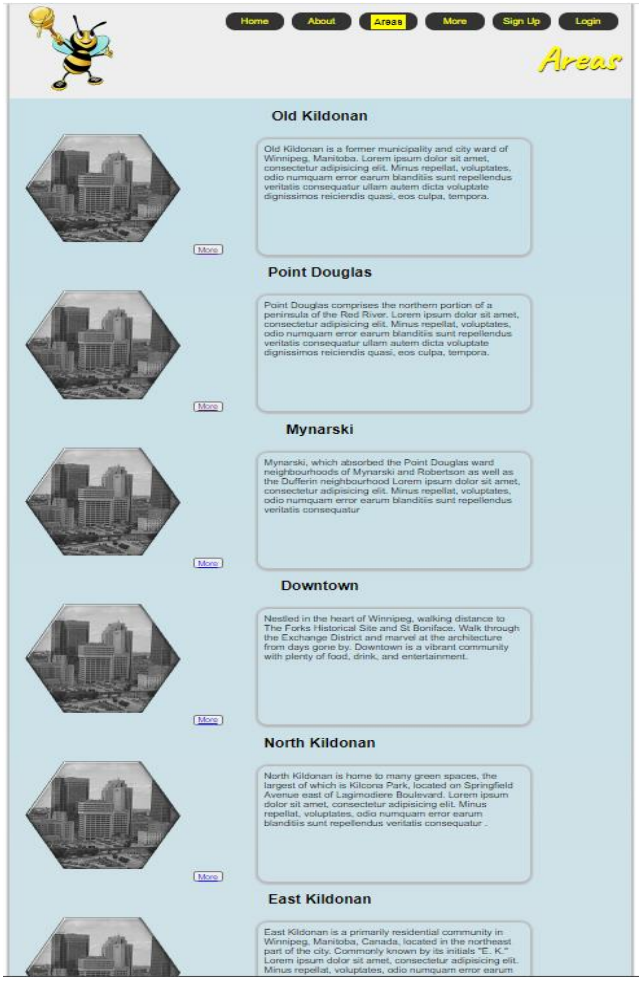
Login Page



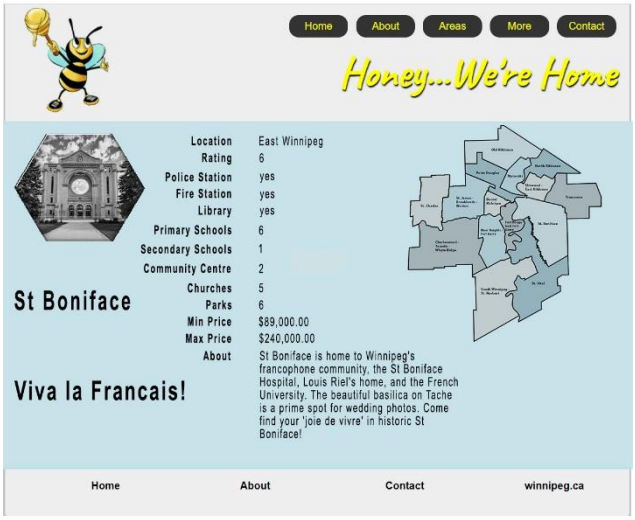
Profile Page



List View

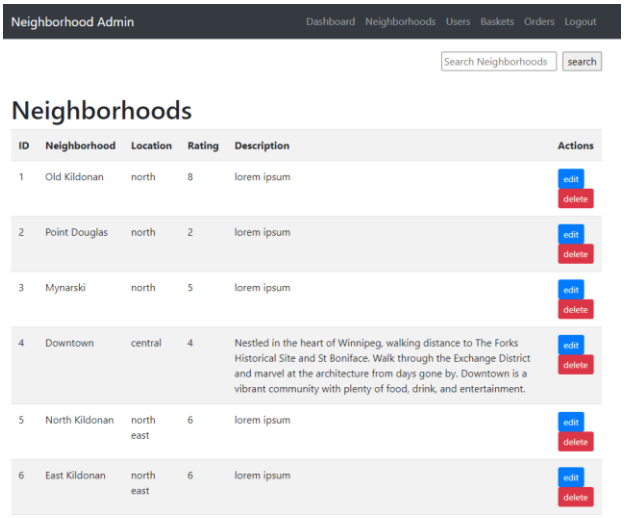


Detail View



2.8.0 Admin Site Pages

Edit List View

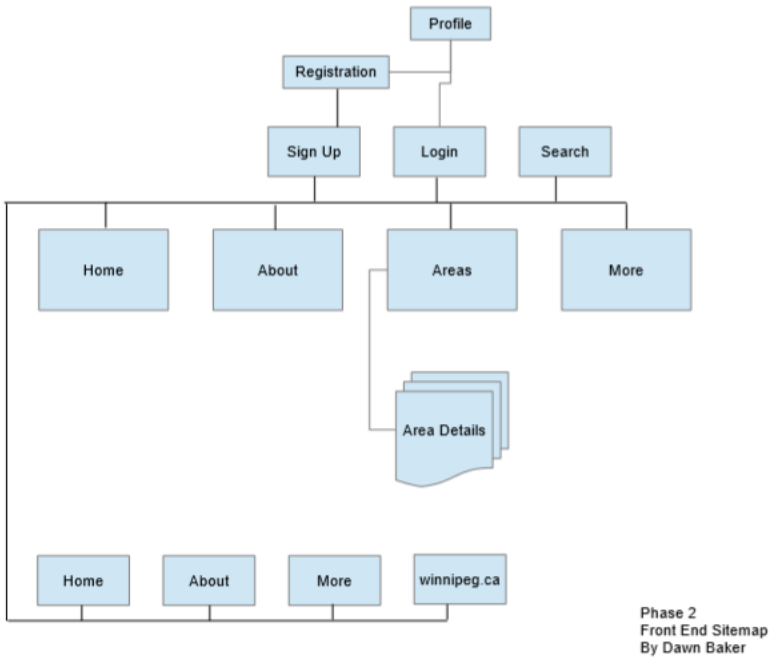


Edit Form

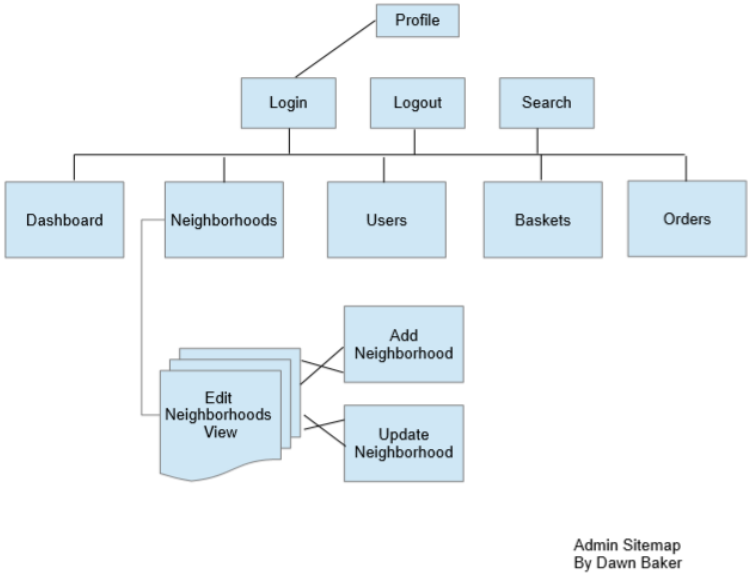
Neighborhood Admin
Dashboard Neighborhoods Users Baskets Orders Logout
Neighborhood Edit
Neighborhood:
Downtown
location:
central
Description:
Nestled in the heart of Winnipeg, walking distance to The Forks Historical Site and St Boniface. Walk through the Exchange District and marvel at the arch
Image:
downtownhex.png
Rating:
4
Police Station:
yes
Fire Station:
yes
Library:
yes
Pool:
yes
Primary Schools:
12
Secondary Schools:
2
Churches:
33
Playgrounds:
4
Community Centres:
Burton Cummings, Freighthouse
House Price Minimum:
54000.00
House Price Maximum:
399000.00
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.