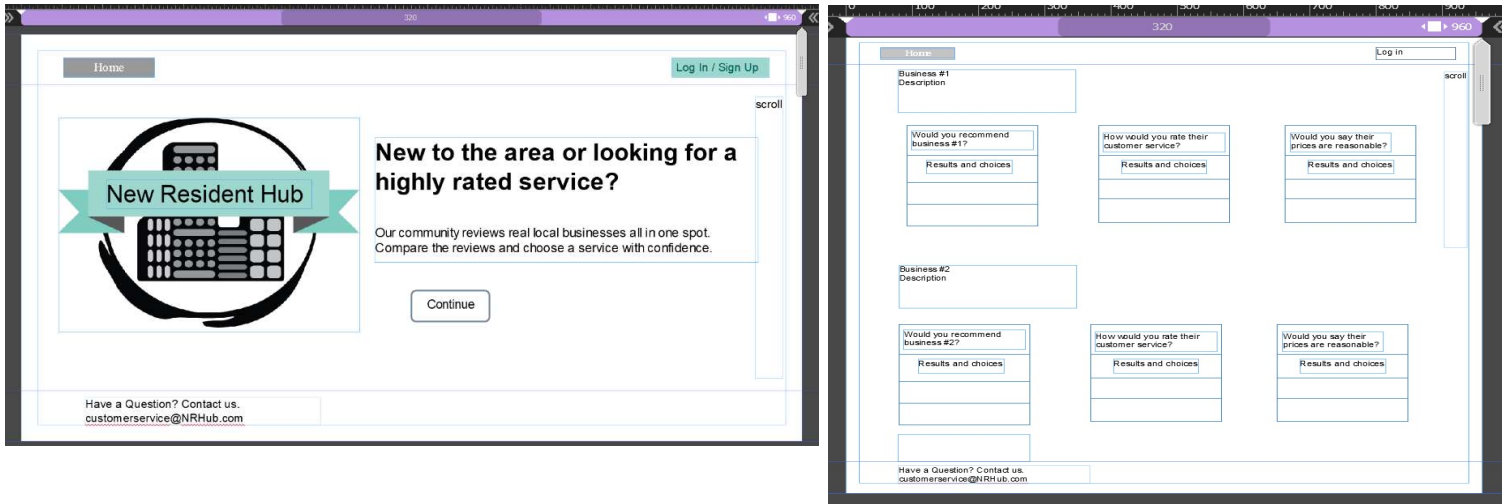


Appendix A

Wireframe Design Concept



Appendix B

Implementation Schedule

Design	Code Unit 1	Code Unit 2	Deployment Stage
Wireframes	Basic HTML	CSS	Execute
Features	Javascript	Navigation	Recommendation
Screen States	Database	Integration of Features	Documentation
Design Documentation	Test Unit 1	Test Unit 2	Review
	Functionality	Compatability tests	Review Project
	Implementation and Testing Documentation	Security tests	IT Report
			Documenation

Appendix C

Method Implementation

A method creates an API endpoint for the server. It can be used to save events of clicking the vote button and user data that come from the client side (Meteor Development Group Inc., n.d.).

Method for updating the poll votes and voters' data

```
6
7
8 Meteor.methods({
9
10   addVote: function(pollID, voteID, voters) {
11
12     //finds current user
13     var userId = Meteor.userId();
14     console.log('The current user is ' + '' + userId);
15
16     //create the incrementing object so that it can be
17     var voteString = 'choices.' + voteID + '.votes';
18     console.log('The objects to be updated ' + '' + vote
19     var actions = {};
20     actions[voteString] = 1;
21
22
23     //increment the number of votes for this choice
24     Polls.update(
25       { _id: pollID },
26       { $inc: actions }, //MongoDB's $inc operator adds 1
27       { $addToSet: { voters:userId } } //records username
28     );
29     console.log('the poll id updated was ' + '' + pollID);
30     //console.log('the voters are' + voters);
31
32
```

Appendix D

Console Log Testing

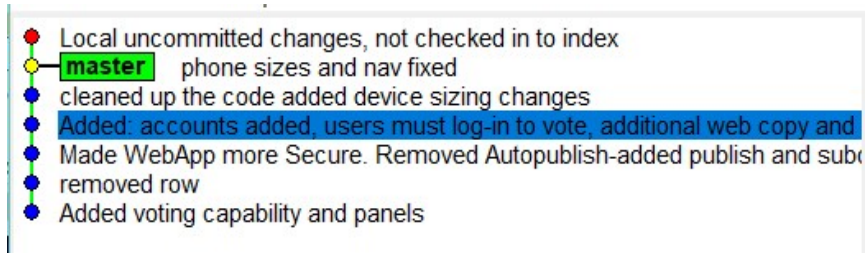
```
C:\> Command Prompt - meteor run

=> App running at: http://localhost:3000/
Type Control-C twice to stop.

120170811-14:23:30.298(-5)? The current user is Mk42Gfnkz6RvMBZ3z
120170811-14:23:30.427(-5)? The objects to be updated choices.1.votes
120170811-14:23:30.429(-5)? the poll id updated was hpRagHwHvubgRWLwQ
120170811-14:24:34.362(-5)? The current user is Mk42Gfnkz6RvMBZ3z
120170811-14:24:34.367(-5)? The objects to be updated choices.0.votes
120170811-14:24:34.368(-5)? the poll id updated was fsGwdTRRpa8mZY2TL
=> Client modified -- refreshing
```

Appendix E

Git repository



Appendix F

Media Queries

Using Media queries lets you target the capability of a device to retrieve information on window and device dimensions, orientation and resolution (Andrew, 2010). An example from a section in the style sheet is below.

```
@media only screen and (max-device-width: 60em) {  
.section {  
display:flex;  
align-items:center;  
max-width:300px;  
height:450px}
```

This results in the layout becoming a column that is a row in tablets or desktops.