

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 4/28/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman, Anita Westphal

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, Maps), Charles 'CJ' Mankin (Webmaster, Database, UI Design)

Note\* Final Presentation refers to the 491 Final Presentations

### Past week accomplishments

Task description	Person	Done date
Meeting with Diane where app progress and Final Presentation were discussed	EL; CJ; SS	4/24
Demo presentation with Mani, went very well, tons of helpful criticism ☺	EL; CJ; SS	4/24
Meeting with Nathan to show what we have so far, and to discuss information that will be presented on, along with other material	CJ; SS	4/25
Developed outline for Final Presentation, along with 1 <sup>st</sup> version of slides and backslides for the group	CJ	4/22
Practiced for Final Presentation, worked on individual slides and backslides	EL; CJ; SS	4/22-4/26

### Plan for coming week

Task description	Person	Goal date
Finish updating Project Plan and Design Doc	CJ;EL;SS	4/30
Final Presentation at 1:00 pm, we are shooting for a 96%, Dr. Rover and Nathan will be attending	CJ;EL;SS	4/29
Work on MVP (Minimum Viable Product)	CJ	5/02
Finalize slides and practice presentation	EL;CJ;SS	4/28-4/29

### Future issues

Task description	Person	Goal date
Have beta released on the App Store	EL;CJ;SS	7/10

### Individual hourly contribution

Name	Hours
Eric Larssen	12
Sean Shickell	13
CJ Mankin	16

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 4/21/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, Maps), Charles 'CJ' Mankin (Webmaster, Database, GUI)

### Past week accomplishments

Task description	Person	Done date
Emailed Dr. Rover with our progress and plans instead of meeting because she was out of town during our regular meeting time	EL; CJ; SS	4/17
Finished Project Plan v2, worked on final presentation slides, started ISU's App Committee Review process in order to receive funding through ISU and to be able to release the UBR app on the App Store, reviewed Git commands for GitHub repo	SS	4/14-4/18
Added functionality to the Survey Select and Make Sighting screens, implemented create a survey (for meandering), select existing survey, and adding a butterfly as a favorite (which included creating a new table in the db and implementing a long press gesture recognizer on the TableView)	CJ	4/16, 4/18
Reviewing UI design and implementation	EL	4/15- 4/16, 4/18

### Plan for coming week

Task description	Person	Goal date
Finish final presentation slides	SS	4/25
Meet with Nathan to go over what we have so far, and to invite him to our final presentation	CJ;EL;SS	4/25
Revamp website, add additional functionality for the sightings screen	CJ	4/25
Finalize presentation slides and practice presentation	EL;CJ;SS	4/24-4/25

### Future issues

Task description	Person	Goal date
Update all documents to the progress made, practice final presentation	EL;CJ;SS	4/23, 4/27
Working iOS app consisting of multiple screens and proper layout and navigation (as per Apple protocol), also with OpenWeatherMap, Google Maps, and a database integrated	EL;CJ;SS	5/02

### Individual hourly contribution

Name	Hours
Eric Larssen	5
Sean Shickell	18
CJ Mankin	12

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 4/14/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, Maps), Charles Mankin (Webmaster, Database, GUI)

### Past week accomplishments

Task description	Person	Done date
Meeting with Diane to go over what was discussed with Nathan along with our current progress with the project and plans for the rest of this semester	EL; CJ; SS	4/10
Google Maps iOS integration tutorial, final presentation slides, updating existing Project Plan to new requirements, emails	SS	4/07-4/11
Set up GUI navigation for app (including Navigation controllers that react when a table row is selected), implemented primary butterfly TableView, learned how to implement Prototype Cells construct in the Xcode 5 storyboard, created tables (butterflies, sightings, surveys, etc) for database and imported it into the project, created access class to retrieve data from database	CJ	4/07, 4/09-4/11
Reviewing commits to GitHub repo, working on Meandering Survey	EL	4/07, 4/09-4/11

### Plan for coming week

Task description	Person	Goal date
Finish updates to Project Plan V2	SS	4/14, 4/19
No meeting this week with Advisor (she will be out-of-town), emailing progress instead	CJ;EL;SS	4/19
Work on GUI display for iPad storyboard, implement search bar and adding a sighting when a table row is tapped functionality (and other functionality if time permits, such as value stepper for each row so that users can log multiple sightings of a single species)	CJ	4/19

### Future issues

Task description	Person	Goal date
Finish version 0.1 of final slides, update Design Document and Project Plan according to progress made	SS	4/19
Working iOS app consisting of multiple screens and proper layout and navigation (as per Apple protocol), also with OpenWeatherMap, Google Maps, and a database integrated	EL;CJ;SS	4/30

### Individual hourly contribution

Name	Hours
Eric Larssen	12
Sean Shickell	10
CJ Mankin	11

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 4/08/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, Maps), Charles Mankin (Webmaster, Database, GUI)

### Past week accomplishments

Task description	Person	Done date
Meeting with Nathan to get basics for Alpha version	EL; CJ; SS	4/04
Emailing Advisor since we weren't able to schedule a meeting	EL; CJ; SS	4/03;4/04;4/04
Integrating OpenWeatherMap into an iOS app using Xcode 5 & taking online course to learn how to integrate Google Maps for iOS (still in progress), preparing final slides for end of semester presentations, emails & meeting	SS	3/31, 4/02-4/06
tutorials for various functionalities specific to coding the alpha version, like location services and tab bar navigation, importing different butterfly lists into SQLite db	CJ	3/31-4/06
Set up new repository (under Rieman Gardens),	EL	4/03-4/04

### Plan for coming week

Task description	Person	Goal date
Finish OpenWeatherMap demo app, go through Code School class for learning how to implement Google Maps SDK for iOS	SS	4/09
Meet with Advisor to discuss meeting with Nathan	CJ;EL;SS	4/10
Have database ready, display butterflies (possibly sorted) on make sightings screen in the form of a table (if time permits)	CJ	4/12

### Future issues

Task description	Person	Goal date
Finish version 0.1 of final slides, and update Design Document and Project Plan according to progress made	SS	4/19
Working iOS app consisting of multiple screens and proper layout and navigation (as per Apple protocol), also with OpenWeatherMap, Google Maps, and a database integrated	EL;CJ;SS	4/30

### Individual hourly contribution

Name	Hours
Eric Larssen	10
Sean Shickell	10
CJ Mankin	12

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 4/02/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, GUI), Charles Mankin (Webmaster, Database)

### Past week accomplishments

Task description	Person	Done date
Meeting with Advisor	CJ; SS	3/27
Design Document changes (added references and conclusion sections), integrating OpenWeatherMap into an iOS app using Xcode 5 (still in progress), preparing final slides for end of semester presentations, emails & meeting	SS	3/25, 3/27, 3/28
Testing different ways of displaying data from the SQLite database and modifying the data, working on the database schema, and investigating an import strategy for importing from csv files	CJ	3/24-3/28
UI sketch and design, determining code assignments for group members	EL	3/24-3/28

### Plan for coming week

Task description	Person	Goal date
Finish OpenWeatherMap demo app	SS	4/03
Meet with Nathan to go over UI specifications	CJ;EL;SS	4/04
Group meeting to go over development of a GUI before meeting with Nathan	CJ;EL;SS	4/03
Investigating selection spinners for implementation in the survey UI of the UBR app	CJ	4/05
Set up Google hangout / on-campus meeting for code discussions and UI mock-ups	EL	4/03

### Future issues

Task description	Person	Goal date
Basic GUI demo app made with OpenWeatherMap widget	SS	4/11
Fully formed butterflies database, with ability to access and display its content	CJ	4/11
Working iOS app consisting of multiple screens and proper layout and navigation (as per Apple protocol), also with OpenWeatherMap, Google Maps, and a database integrated	EL;CJ;SS	4/30

### Individual hourly contribution

Name	Hours
Eric Larssen	4 (out sick)
Sean Shickell	10
CJ Mankin	12

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 3/26/14 (also including activities done during Spring Break)

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader, Scrum Master), Sean Shickell (Communication, Documents, GUI), Charles Mankin (Webmaster, Database)

### Past week accomplishments

Task description	Person	Done date
No meeting this week (or over Spring Break) because our Advisor was out of town (and school was not in session). We are to email our Advisor on an individual basis.	CJ; EL; SS	3/09;3/15;3/26
Produced first version of the Design Document, studied proper Apple UI design basics ( <a href="https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/MobileHIG/">https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/MobileHIG/</a> ) , integrating OpenWeatherMap into an iOS app (still in progress), started mock-ups of GUI, looking into using Google Maps over Apple Maps	SS	3/25, 3/23, 3/14, 3/14
Problems encounter with SQLite3 framework being supported in Xcode 5. Currently researching Core Data as a possible replacement.	CJ	3/10-3/14, 3/17
Setting up file structure on Github, along with a few classes and emailing group on how to make code changes on GitHub. Changes to tickets in Rally iterations: from classes to use cases. Researching. Communicating with Curtis and Android team.	EL	3/10, 3/11, 3/12, 3/22

### Plan for coming week

Task description	Person	Goal date
Finish OpenWeatherMap demo app	SS	3/28
Meet with Advisor to go over Design Document	CJ;SS;EL	3/28
Group meeting to go over development of a GUI	CJ;SS;EL	3/26

### Future issues

Task description	Person	Goal date
Have a basic GUI made with OpenWeatherMap widget	SS	4/01
Have a solid database chosen and ready to integrate into iOS app	CJ	4/14

### Individual hourly contribution

Name	Hours
Eric Larssen	16
Sean Shickell	28
CJ Mankin	7

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 3/10/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader), Sean Shickell (Communicator), Charles Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
Emailed Dr. Rover with our progress for the week and what are plans are as we continue. Emailing was used because Dr. Rover was out-of-town during our regular meeting time.	CJ; SS; EL	3/6; 3/6; 3/7
Finished tryObjectiveC class online. Researched best practices for folder structure of large projects, created file structure. Communicated with Android team about GitHub workflow and what could have been improved upon. Moreover, discussed having a Reiman Gardens account with one repository for Android and one for iOS.	EL	3/3-3/5, 3/7,3/9
Successfully populated and processed an SQLite3 database in Obj-C. Includes importing data from a CSV file, creating Obj-C classes to contain data, as well as updating/inserting values in the database using the terminal. Using Bootstrap to style team website (still in progress). Finished basic website, with ability to display Weekly Reports and other documents.	CJ	3/4-3/7,3/9
Finished tryObjectiveC class online. Researched Project Design documents online, and BB material related to Project Design. Started tryiOS (more focused than tryObjectiveC) class online. Researched proper iOS design and example iOS GUIs that seemed like they would have a similar layout to ours.	SS	3/4-3/9

### Plan for coming week

Task description	Person	Goal date
Finish tryiOS class online, finish and submit Project Design document, and if time permits, start on GUI.	SS	3/14
Integrate the SQLite3 database with iOS app that allows users to modify data and ability to create tables needed for the UBR database.	CJ	3/14
Set up GitHub repository for iOS development. Possibly set up Reiman Gardens account with Android & iOS repositories.	EL	3/14

## Future issues

Task description	Person	Goal date
Pre-Alpha GUI for layout purposes and Screen Flow Diagram usage.	SS	3/26
Style website using Bootstrap and complete “Updates” and “Meet the team” tabs	CJ	3/21

## Individual hourly contribution

Name	Hours
Eric Larssen	16
Sean Shickell	10
Charles Mankin	12



# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 3/3/14

**Advisor:** Dr. Diane Rover

**Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader), Sean Shickell (Communicator), Charles Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
Met with Advisor to cover project plan and current progress, along with strategies to best approach code development. This was followed by a group meeting to assign tasks for the week and to cover the project management software Rally that we have implemented.	ALL	2/27
Framework and file structure for UBR app, setting up Rally tasks, researching GUI creating tools that can give a native iOS app feel, working on 388 iOS tutorials	EL	varies
Working with iOS SQLite databases, importing CSV files to said databases, integrating SQLite with iOS GUIs, and creating HTML files for team website	CJ	varies
Completing tasks set up in Rally: Learning Obj-C for iOS, creating Survey Class, Siting Class, and Butterfly Class; researching other online tutorials as well as looking at sample code and how-to videos on YouTube and other sites	SS	varies

### Plan for coming week

Task description	Person	Goal date
Finish all levels on <a href="http://tryobjective.codeschool.com/">tryobjective.codeschool.com/</a> , finish one of the following classes: Survey, Siting, or Butterfly, continue learning Obj-C, update Project Plan based on group performance and better understanding project scope, work on Project Design Document	SS	3/4, 3/8, 3/7, 3/8
Have weekly reports and project plan on team website, have working demo of SQLite with iOS GUI and possible demo of importing CSV files to said database	CJ	3/5,3/8
Set up more iterations on Rally and set up GitHub repository for iOS development	EL	3/5, 3/7

### Future issues

Task description	Person	Goal date
Pre-Alpha Version, or basic GUI with at least 2 major functionalities implemented	ALL	3/14

### Individual hourly contribution

Name	Hours
Eric Larssen	12
Sean Shickell	12
Charles Mankin	12

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 2/24/14

**Advisor:** Dr. Diane Rover      **Client:** Nathan Brockman

Team members: Eric Larssen (Team Leader), Sean Shickell (Communicator), Charles Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
Reviewed Android code on GitHub	CJ; EL; SS	2/17-2/21; 2/17-2/21;2/17-2/19,2/21-2/22
Reviewed 388 iOS labs, along with other materials related to iOS coding	SS;EL;CJ	2/17-2/21
Worked on "Personal Data Sheet" -> learning styles, personality type, programming experience, hobbies, activities	SS;CJ;EL	2/17;2/18;2/19
Reviewed documentation from Android App website	SS;CJ;EL	2/19,2/21-2/22;2/22; 2/21
Produced first version of Project Plan, produced Weekly Report	SS	2/22
Research of database implementations for Obj C & possibly using CSV files to populate an onboard database	CJ	2/17-2/20
Setup Agile Board for team -> including tickets and iterations for upcoming weeks, along with overall team goals	EL	2/17-2/21

### Plan for coming week

Task description	Person	Goal date
Study 388 iOS labs, along with other materials related to iOS coding	CJ;SS;EL	2/24-2/28
Review documentation from Android App website	CJ;SS;EL	2/24-2/28
Review Android code on GitHub	CJ;SS;EL	2/24-2/28
Meet with Advisor to go over project plan	CJ;SS;EL	2/27
Group meeting to go over development of a GUI	CJ;SS;EL	2/28
Get weekly reports implemented on website	CJ	2/28

### Future issues

Task description	Person	Goal date
Have a basic GUI made	CJ;SS;EL	3/14
Have Project Website functioning and up-to-date	CJ	2/28
Prepare example database in iOS to verify functionality	CJ	3/06

### Individual hourly contribution

Name	Hours
Eric Larssen	13
Sean Shickell	14
CJ Mankin	10

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 2/17/14

**Advisor:** Dr. Diane Rover      **Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader), Sean Shickell (Communicator), Charles Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
Reviewed Android code on GitHub	ALL	2/10-2/16
Reviewed 388 iOS labs, along with other materials related to iOS coding	ALL	2/10-2/16
Reviewed utilities set for iOS	CJ	2/10-2/16
Reviewed Documentation	SS	2/10,2/13,2/14
Obtained Mac Laptop from CSG	SS	2/14

### Plan for coming week

Task description	Person	Goal date
Study Tutorials from iOS version of 388 (and any other material)	ALL	2/17-2/23
Review previous group's website	ALL	2/17-2/23
Review the Android code for UBR on GitHub	ALL	2/17-2/23
Meet with Advisor to come up with a solid project plan	ALL	2/20
Group meeting to go over development of a GUI	ALL	2/18

### Future issues

Task description	Person	Goal date
Have a basic GUI made	ALL	2/28
Have Project Website functioning and up-to-date	CJ	2/28

### Individual hourly contribution

Name	Hours
Eric Larssen	15
Sean Shickell	15
CJ Mankin	18

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 2/10/14

**Advisor:** Dr. Diane Rover      **Client:** Nathan Brockman

**Team members:** Eric Larssen (Team Leader), Sean Shickell (Communicator), CJ Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
First Meeting with Client (Nathan Brockman), also Ryan (Previous Senior Design Team [previous Team Leader]) and Anita Westphal were present to talk about the app	ALL	2/7
Reviewed 388 iOS labs, along with other things	ALL	varies
Reviewed Android Code	ALL	varies
Reviewed Documentation	ALL	varies
Set up meeting with Client	SS	2/5

### Plan for coming week

Task description	Person	Goal date
Get Mac Computer from CSG	SS	2/10
Study Tutorials from iOS version of 388 (and any other material)	ALL	varies
Review previous group's website	ALL	varies
Review the Android code for UBR on GitHub	ALL	varies
Have basic GUI made	ALL	2/28

### Future issues

Task description	Person	Goal date
Learning iOS in the time given	ALL	2/28

### Individual hourly contribution

Name	Hours
Eric Larssen	15
Sean Shickell	14
CJ Mankin	14

# Senior Design Group 16 - UBR iOS Dev

## Weekly Report 2/3/14

**Advisor:** Dr. Diane Rover      **Client:** Nathan Brockman

Team members: Eric Larssen (Team Leader), Sean Shickell (Communicator), CJ Mankin (Webmaster)

### Past week accomplishments

Task description	Person	Done date
First group meeting and first meeting with our Advisor	ALL	1/30
Reviewed 388 iOS labs, along with other things	ALL	-/-
GitHub access to last year's senior design group's repository	ALL	2/1
Access to previous group's website on the Android version of our project	ALL	-/-
Contacted Advisor, Client, and previous Group & set up meetings	SS	-/-

### Plan for coming week

Task description	Person	Goal date
Get Mac Computer from CSG	SS	2/4
Study Tutorials from iOS version of 388 (and any other material)	ALL	-/-
Review previous group's website	ALL	-/-
Review the Android code for UBR on GitHub	ALL	-/-
Meet with the client	ALL	2/7

### Future issues

Task description	Person	Goal date
Learning iOS in the time given	ALL	-/-

### Individual hourly contribution

Name	Hours
Eric Larssen	6
Sean Shickell	8
CJ Mankin	7