SE 329
Software Project Management

Assignment 5

Submitted by

David Johnston
Garret Meier
Matt Szpak
Nik Kinkel
Shaun Vanweelden

Fall 2015

Contents

List of Figures

List of Tables

Section 1

Overview

1.1 Booking System

This project focuses on a booking system for a mobile restaurant reservation application in which users may:

- Make a reservation at a particular restaurant, specifying the number of people in their party, reservation time, and reservation name.

- Search for restaurants

- Create an account

- Sign in to the reservation system

1.2 Team

The team members are:

1. David Johnston

2. Garret Meier

3. Matt Szpak

4. Nik Kinkel

5. Shaun Vanweelden

1.3 Website

The assignment website is: `https://github.com/ghmeier/329_hw5`.

Section 2

Design Tasks

This project requires a number of tasks to design the GUI.

2.1 Preparatory Tasks

Before GUI design can begin, the following tasks must be completed:

A. Determine the target user. The target user of the application determines application functionality and gives a direction for visual style.

B. Gather user requirements and enumerate critical application functionality.

C. Determine required application screens.

D. Determine application screen flow.

E. Delegate required actions to each screen.

2.2 GUI Design Tasks

When sufficient information has been gathered to begin GUI design and the preparatory tasks have been completed, our team will complete the following tasks to design the GUI:

F. Design the core restaurant reservation screen, with options for the user to specifiy number of people per reservation, reservation time, and the last name of the person making the reservation.

G. Design the search screen, with an option for a user to search for a restaurant either by name or by exploring a Google Maps screen.

H. Design an account creation screen, allowing new users to register for an account with the reservation system.

I. Design a sign in screen where registered users can sign in to their reservation system account.

J. Design an administraton screen where restaurant owners can add details about the types of reservations they will accept.

K. Design a comment and review screen where users can review the restaurants where they have made reservations.

Section 3

Other Tasks

There are a number of non-design tasks that will be completed as part of the project, including:

- writing project reports

- maintaining and updating the progress of the final project on the project's website

- giving a final project presentation

3.1 Written Reports

According to the (unclear and underspecified) project requirements, we will need to write 3 project reports. For each report, our team will peform the following tasks:

- L. Delegate sections of the report to each team member according to the assignment rubric (in the unlikely event a rubric is provided)

- M. Delegate a reviewer (not the original author) for each report section

- N. Push final changes after section review

- O. Compile report sections into a final submission document

3.2 Maintaining and Updating the Website

The project website will hold project documents, revision history, and screenshots. Responsibility for maintaing and updating the website will fall on all

team members equally, according to the work they put in. Since we are simply using GitHub (and the git DVCS), the project revision history will be stored for us automatically. Our team will perform the following tasks to maintain and update the project website:

P. Commit and push our respective assignment tasks (e.g., if a team member is delegated a project report section to write, that team member will push their own contributions to GitHub)

Q. Fix any merge conflicts that may arise

R. Commit and push all project screenshots

3.3 Presentation

The project will end with a final presentation. To prepare and give the final presentation, the team will perform the following tasks:

S. Plan and outline the necessary presentation slides

T. Delegate particular slides to individual team members

U. Create a presentation slide template

V. Push and commit slide contributions to the project website

W. Give individual sections of the presentation during presentation time

Section 4

Project Plan

The full project tasks have been organized and put into a PDM, displayed in Figure 4.1. Note the following:

- The task identifiers (e.g. A, B, C, ..., W) match the identifiers previously listed in this document. So, for instance, task A corresponds to "Determine the target user", described in Section 2.1. Click on a task in Table 4.1 to return to the task description.

- The durations are in **days**.

Table 4.1 summarizes project tasks, durations, and team member assignments (assignments were left off the actual PDM diagram to conform to classic PDM style).

4.1 Task Duration and Team Assignments

Task ID	Task Duration	Assigned To
A	1	Garrett
B	1	David
C	3	Nik
D	2	Matt
E	2	Shaun
F	6	Garrett
G	3	David
H	2	Nik
I	2	Matt
J	5	Shaun
P	1	All
R	1	Shaun
Q	2	Nik
L	2	Matt
M	1	David
N	2	All
O	2	All
S	4	Garrett
T	1	David
U	4	Matt
V	3	All
W	1	All

Table 4.1: Task Duration and Team Task Assignments

4.2 PDM

Figure 4.1: Final Project PDM

Start

A — 0 1 1 / 0 1

B — 1 2 1 / 1 2
C — 0 3 3 / 0 3
D — 0 2 2 / 0 2

E — 3 5 2 / 3 5

F — 5 11 6 / 5 11
G — 5 8 3 / 5 11
H — 5 7 2 / 5 11
I — 5 7 2 / 5 11
J — 5 10 5 / 5 11