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a. INTRODUCTION

Figure 1 Figure 2

b. REGISTRATION FORM

c. ADMINISTRATIVE BACKEND

d. FTP SERVER ACCESS

N. SYSTEM DOCUMENTATION: USERS

O. SYSTEM DOCUMENTATION: TECHNICAL

a. Code

b. Detailed Statement explaining main configuration work

c. Entity Relationship Diagram and table Schemas (ERD)

d. Website Diagram

I. BUSINESS CASE

49 Books is a small bookstore that offers their customers a chance to rent older and specialty books that are either out of print or hard to find. Their collection of books is provided through donations or sold by an owner who wants to give it to someone who can take care of valued hard print book. They have an inventory of over 500 books and 150 customers that they still manage with a combination of paper and excel sheets. The Bookstore has seen an increase in book rentals and membership sign ups, and believe that the current process is outdated and very inefficient. They're looking to find a more modern solution for both the store and its users. They want a system that will accomplish all their goals of tracking book inventory and that will have a user-friendly interface that can allow the users to see all the books available. They want the admin power to add, delete and edit book information in their database. This is also to be accomplished through a platform that will allow for current users to reserve items for pickup on the go.

II. SCOPE OF WORK

A. PROJECT OBJECTIVE

Create a mobile web app that the owner can use for adding, deleting, and editing items in its inventory. The app will allow editing the books information such as the author, isbn, and the respective price. This same app will provide a user friendly browsing interface that will enable existing customers to browse and reserve books for pick up that are in the inventory. The system will also allow for users without an account to browse the inventory without the option of making reserves, unless they sign-up.

B. PROJECT ASSIGNMENTS

- Project Manager: Aaron Williams
- Front End Developer(s): Tammy Robinson
- Back End Programmer(s): Aaron Williams, Omelio Hopwood
- Business Analyst: Omelio Hopwood

C. SYSTEM REQUIREMENTS

- SQL database and tables

- user friendly interface
 - UI for customers to browse the bookstore's inventory
 - Book and detail listing (price, author, etc.)
 - sort
 - Search utility for completing keyword searches for books
 - function for users to reserve materials
 - new user sign up feature
- admin interface
 - master view for books in inventory
 - add/delete/edit books

D. TECHNICAL REQUIREMENTS

The system will be developed using HTML5, CSS, PHP, and MySQL. Requirements to develop include:

- Computers
- Mobile Device (for testing purposes)
- Internet Access
- Server Space
 - SOIS web space
- User agent and/or browser emulation
- Software:
 - FileZilla FTP Client
 - Dreamweaver
 - Notepad++/Sublime Text 3
 - MySQL
 - Bootstrap
 - jQuery Mobile

E. SYSTEM TESTING

- Employees will test administrative interface as well as customer front end.
- Small sample pool of customers will be taken to test front end interface for usability.

F. LIMITS AND EXCLUSIONS

- Once Deployed, ongoing system maintenance will not be required
- Front end Design can be further managed by any dev team.
 - Or allow admin to create additions, such as promotions on main page, through simplified interface

G. ASSUMPTIONS AND CONSTRAINTS

- The project Will be fully funded according to agreed u pon budget

- 49 Books stakeholders will be available for input and testing of system prototype
- Necessary technology will be accessible and in working order throughout the project (Server, internet, company website).

H. PROJECT MANAGEMENT-RELATED DELIVERABLES

- Business Case and Scope Statement
- WBS, Grantt Chart, PDM diagram, Milestones, and WBS Dictionary
- Financial and Resource Aspects
- Risks

I. PRODUCT-RELATED DELIVERABLES

- A. System Prototype
 - i. A database driven web-based data entry system that includes:
 1. Database and tables
 2. Login /Log out options for users access to the system
 3. A user interface for molding personal to enter run data
 4. Administrator interface
- B. System Documentation: User
 - i. Brief document of instructions for end users
- C. System Documentation: Technical
 - i. Basic guidelines including description of table relationships and web site structure map.

III. PROJECT MANAGEMENT DOCUMENTATION

A. WORK BREAKDOWN STRUCTURE (WBS)

WBS_MobileApp	112.5 days	Sat 2/1/14	Sun 5/11/14
1 Initiate Project	1 day	Sat 2/1/14	Sat 2/1/14
1.1 Kick off meeting	1 day	Sat 2/1/14	Sat 2/1/14
1.1.1 Finalize best meeting times	1 day	Sat 2/1/14	Sat 2/1/14
1.1.2 Group Discussion	1 day	Sat 2/1/14	Sat 2/1/14
2 Plan Project	35.88 days	Sat 2/8/14	Tue 3/11/14
2.1 Project Selection	17 days	Sat 2/8/14	Sun 2/23/14
2.1.1 Assign Group Roles	1 day	Sat 2/8/14	Sat 2/8/14
2.1.2 Brainstorm Ideas	7 days	Sat 2/8/14	Fri 2/14/14
2.1.3 Create Project Proposal	10 days	Fri 2/14/14	Sun 2/23/14
2.1.4 Submit Project Proposal	0 days	Sun 2/23/14	Sun 2/23/14
2.2 Create Project Documentation	12 days	Sat 3/1/14	Tue 3/11/14
2.2.1 Create WBS	7 days	Sat 3/1/14	Fri 3/7/14
2.2.2 Create WBS Dictionary	7 days	Sat 3/1/14	Fri 3/7/14
2.2.3 Create Gantt Chart	7 days	Sat 3/1/14	Fri 3/7/14
2.2.4 Document Risks	7 days	Sat 3/1/14	Fri 3/7/14
2.2.5 Document Milestones	0 days	Sat 3/1/14	Fri 3/7/14
2.2.6 Prepare Cost Estimate	0 days	Sat 3/1/14	Tue 3/11/14
2.2.7 Submit Project Documentation	0 days	Tue 3/11/14	Tue 3/11/14
3 Design	64 days	Thu 3/13/14	Fri 5/9/14
3.1	8 days	Thu 3/13/14	Thu 3/20/14
3.1.1 Design Visual Layout	8 days	Thu 3/13/14	Thu 3/20/14
3.1.1.1 Storyboard	8 days	Thu 3/13/14	Thu 3/20/14
3.1.1.2 Logo Design	8 days	Thu 3/13/14	Thu 3/20/14
3.1.2 Design Site Structure	7 days	Thu 3/13/14	Wed 3/19/14
3.1.3 Design Database Structure	7 days	Thu 3/13/14	Wed 3/19/14
3.1.4 Overall Design Approval	0 days	Thu 3/20/14	Thu 3/20/14
3.2 Implementation	51 days	Tue 3/25/14	Fri 5/9/14
3.2.1 Create Database	2 days	Tue 3/25/14	Thu 3/27/14
3.2.1.1 User Database	1 day	Tue 3/25/14	Wed 3/26/14
3.2.1.2 Book Database	1 day	Tue 3/25/14	Wed 3/26/14
3.2.1.3 Pre-load text book data & user data	1 day	Wed 3/26/14	Thu 3/27/14
3.2.1.4 Database Approval	0 days	Thu 3/27/14	Thu 3/27/14
3.2.2 Create User Interface	35 days	Thu 3/27/14	Sun 4/27/14
3.2.2.1 Create Content Code	31 days	Thu 3/27/14	Wed 4/23/14
3.2.2.1.1 PHP/SQL	31 days	Thu 3/27/14	Wed 4/23/14
3.2.2.1.2 CSS/HTML	31 days	Thu 3/27/14	Wed 4/23/14
3.2.2.2 User Interface Approval	1 day	Sat 4/26/14	Sun 4/27/14
3.2.2.3 Publish Page	0 days	Sun 4/27/14	Sun 4/27/14
3.2.3 Create Admin Interface	35 days	Thu 3/27/14	Sun 4/27/14

[-] 3.2.3.1 Create Content Code	31 days	Thu 3/27/14	Wed 4/23/14
3.2.3.1.1 PHP/SQL	31 days	Thu 3/27/14	Wed 4/23/14
3.2.3.1.2 CSS/HTML	31 days	Thu 3/27/14	Wed 4/23/14
3.2.3.2 Admin Interface Approval	1 day	Sat 4/26/14	Sun 4/27/14
3.2.3.3 Publish Page	0 days	Sun 4/27/14	Sun 4/27/14
[+] 3.2.4 Perform Usability Testing	14 days	Sun 4/27/14	Fri 5/9/14
[-] 4 Controlling	112.5 days	Sat 2/1/14	Sun 5/11/14
[+] 4.1 Weekly Meetings	110.38 days	Sat 2/1/14	Sat 5/10/14
[-] 4.2 Status Reports	24.63 days	Sun 3/30/14	Sun 4/20/14
4.2.1 Project Status Report	1 day	Sun 3/30/14	Sun 3/30/14
4.2.2 Project Status Report	1 day	Sun 4/6/14	Sun 4/6/14
4.2.3 Project Status Report	1 day	Sun 4/13/14	Sun 4/13/14
4.2.4 Project Status Report	1 day	Sun 4/20/14	Sun 4/20/14
[-] 4.3 Project Updates	8.88 days	Sun 4/13/14	Sun 4/20/14
4.3.1 Submit Project Update 1	1 day	Sun 4/13/14	Sun 4/13/14
4.3.2 Submit Project Update 2	1 day	Sun 4/20/14	Sun 4/20/14
4.4 Ongoing Usability Testing	2.63 days	Fri 5/9/14	Sun 5/11/14
[-] 5 Closeout	9 days	Sun 5/4/14	Sun 5/11/14
5.1 Compile Final Project	7 days	Sun 5/4/14	Sat 5/10/14
5.2 Submit Final Project	0 days	Sat 5/10/14	Sat 5/10/14
5.3 Team Member Evaluation	0 days	Sun 5/11/14	Sun 5/11/14

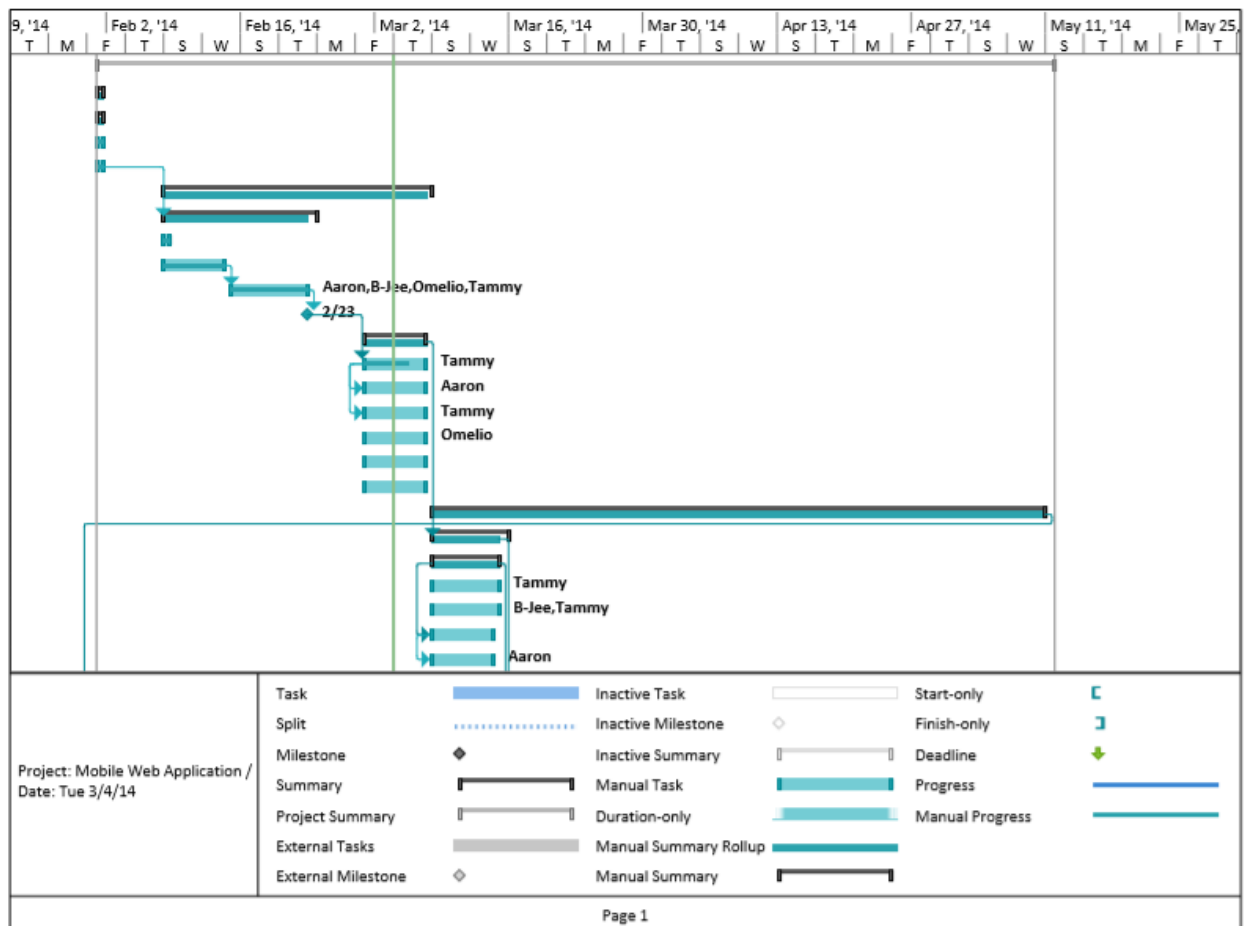
B. WORK BREAKDOWN STRUCTURE DICTIONARY

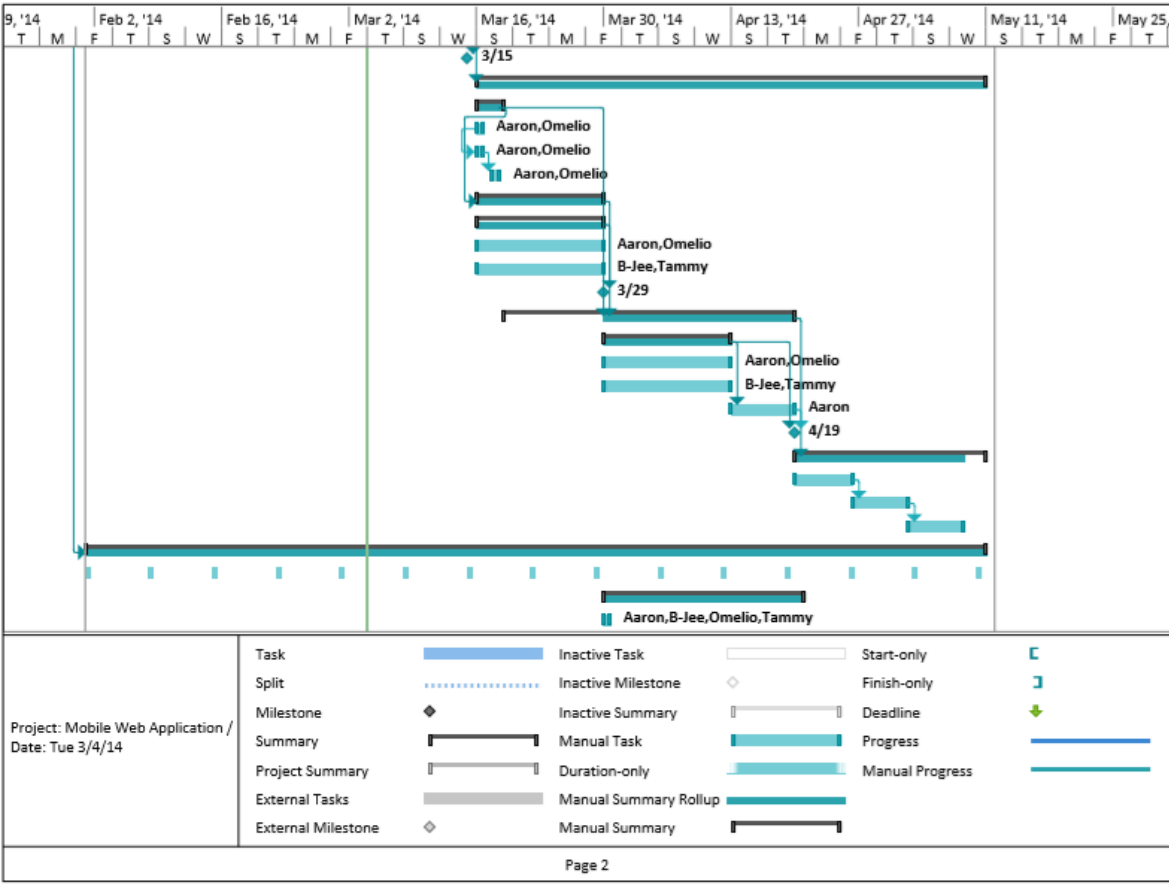
Task Name	Date	Description
1. Initiate Project		
1.1 Kick off meeting		All group members Aaron, B-Jee, Omelio, Tammy discuss on D2L website best methods of communication, logistics, general meeting times, and finalization on a better collaborative medium. Google Docs has been chosen for work collaboration, Google Hangouts and email for communication, and Saturday at 8:00 PM, has been chosen for online meeting times.
1.1.2 Group Discussion		Everyone meets online to discuss the project and brainstorm, discuss project logistics, hosting locations, administrative, roles, and documentation.
2. Plan Project		

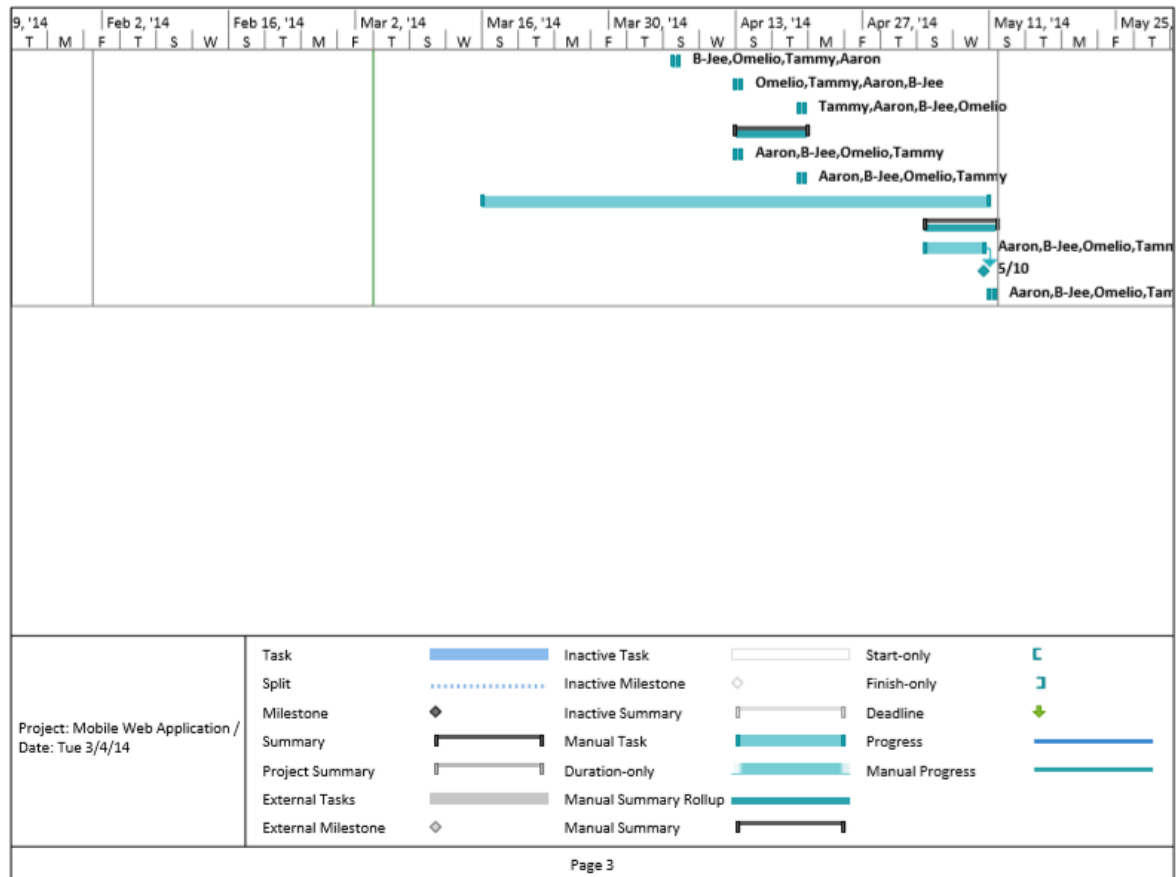
2.1 Project Selection		Group roles are assigned, Aaron and Omelio as back end, Aaron as project manager, Tammy and B-Jee as front end developers. Brainstorming of ideas and project proposal draft is created and submitted.
2.2 Create Project Documentation		WBS, Dictionary, Gantt Chart, Risks, Milestones, and Costs are discussed and documented into a collaborative Google Docs document, and discussion in Google Hangouts.
3. Execute Project		
3.1 Design		Visual layout will be designed by Tammy and J-Bee, this includes graphics, css style. Site and database structures will be designed by Aaron and Omelio. Group approval will be required for entire design.
3.2 Implementation		
3.2.1 Create Database		Book and user database is created and preloaded with data, will be approved and used for testing. Created by Omelio and Aaron
3.2.2 Create User Interface		Front end user interface is created by Tammy and J-Bee, using html, css, and custom graphics. Back end PHP/SQL processing is created by Aaron and Omelio. Pages will go through group approval and published.
3.2.3 Create Admin Interface		Front administrative interface is created by Tammy and J-Bee, using html, css, and custom graphics. Back end PHP/SQL processing is created by Aaron and Omelio. Pages will go through group approval and published.
3.2.4 Perform Usability Testing		Each web page will undergo rigorous testing by front and back end developers. Observational testing will also be conducted to see how well employees and customers handle the interface. Any issues will be analyzed and redesign conducted as needed.
4. Controlling		
4.1 Weekly Meetings		Weekly meetings will occur on Google Hangouts.

4.2 Status Reports		Each team member is responsible for a specific project status report, all other members will approve of what has been written.
4.3 Project Updates		Project updates will be submitted to D2L dropbox after group collaboration and compilation.
5. Closeout		Final project is compiled and made public on uwmsois.com hosting. Microsoft Project files as well as web files are submitted to teacher on D2L. Each team member is evaluated and submitted to D2L.

C. GRANTT CHART







D. MILESTONES

Task	Date
Submit Project Draft Proposal	2/23/2014
Submit Project Documentation	3/11/2014
Overall Design Approval	3/20/2014
Database Approval	3/27/2014
User Interface Approval	4/27/2014
Admin Interface Approval	4/27/2014
Final Product Approval	5/10/14

E. RISKS

a. FINANCIAL

- **Cost forecasts are inaccurate**
Inaccurate cost estimates and forecasts.
- **Limited recourse financing**
There is not enough financial resource to purchase Storage, etc.
- **Stakeholders have inaccurate expectations**
Stakeholders develop inaccurate expectations (believe that the project will achieve something not in the requirements, plan, etc.).

b. COMMUNICATION

- **Project team misunderstands requirements**
When the project team misinterprets requirements a gap develops between expectations, requirements and work packages.
- **Communication overhead**
When key project resources spend a high percentage of their time engaging stakeholders on project issues and change requests their work may fall behind.
- **Users have inaccurate expectations**
The risk that users believe the project is building an apple when you're really building an orange (i.e. users don't understand the product that's coming their way).

c. TEAM

- **Team Members are inexperienced**
Team members may not have the appropriate skills that are needed.
- **Low team motivation**

d. TECHNICAL

- **Design lacks flexibility**
A poor design makes change requests difficult and costly.
- **Design is not fit for purpose**
The design is low quality.
- **Technology components have security vulnerabilities**
Security vulnerabilities are key technology risks.
- **Technology components are over-engineered**
A component that's bloated with unneeded functionality and Design features
- **Technology components lack stability**
Components that will continuously crash
- **Technology components aren't extensible**

Components that is difficult to extend with new capabilities.

- **Information security incidents**
The risk of a security incident during the project (e.g. information is leaked).
- **Project management tool problems & issues**
Technical problems with the project management tools themselves

F. COST ESTIMATE

Cost Estimate is calculated by the number of hours each tasks requires and the resource assigned to that task. The two tables below shows detail information on the resource cost and the task cost. Resource cost displays the resource name and rates. The task cost table displays the tasks and the costs according to the number of hours and resources assigned to the task.

G. RESOURCE COST

Name	Standard Rate	Overtime Rate
Aaron	\$30.00/hr	\$40.00/hr
B-Jee	\$20.00/hr	\$30.00/hr
Tammy	\$20.00/hr	\$30.00/hr
Omelio	\$20.00/hr	\$30.00/hr

H. TASK'S COST

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
0	WBS_MobileApp	\$0.00	Prorated	\$8,670.00	\$0.00	\$8,670.00	\$780.00	\$7,890.00
1	1 Initiate Project	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	1.1 Kick off meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	1.1.1 Finalize best meeting times	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	1.1.2 Group Discussion	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	2 Plan Project	\$0.00	Prorated	\$880.00	\$0.00	\$880.00	\$780.00	\$100.00
6	2.1 Project Selection	\$0.00	Prorated	\$600.00	\$0.00	\$600.00	\$600.00	\$0.00
7	2.1.1 Assign Group Roles	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	2.1.2 Brainstorm Ideas	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	2.1.3 Create Project Proposal	\$0.00	Prorated	\$600.00	\$0.00	\$600.00	\$600.00	\$0.00
10	2.1.4 Submit Project Proposal	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	2.2 Create Project Documentation	\$0.00	Prorated	\$280.00	\$0.00	\$280.00	\$180.00	\$100.00
12	2.2.1 Create WBS	\$0.00	Prorated	\$40.00	\$0.00	\$40.00	\$40.00	\$0.00
13	2.2.2 Create WBS Dictionary	\$0.00	Prorated	\$60.00	\$0.00	\$60.00	\$60.00	\$0.00
14	2.2.3 Create Gantt Chart	\$0.00	Prorated	\$40.00	\$0.00	\$40.00	\$40.00	\$0.00
15	2.2.4 Document Risks	\$0.00	Prorated	\$40.00	\$0.00	\$40.00	\$40.00	\$0.00
16	2.2.5 Document Milestones	\$0.00	Prorated	\$60.00	\$0.00	\$60.00	\$0.00	\$60.00
17	2.2.6 Prepare Cost Estimate	\$0.00	Prorated	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00
18	2.2.7 Submit Project Documentation	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	3 Execute Project	\$0.00	Prorated	\$3,290.00	\$0.00	\$3,290.00	\$0.00	\$3,290.00
20	3.1 Design	\$0.00	Prorated	\$290.00	\$0.00	\$290.00	\$0.00	\$290.00
21	3.1.1 Design Visual Layout	\$0.00	Prorated	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00
22	3.1.1.1 Storyboard	\$0.00	Prorated	\$100.00	\$0.00	\$100.00	\$0.00	\$100.00
23	3.1.1.2 Logo Design	\$0.00	Prorated	\$100.00	\$0.00	\$100.00	\$0.00	\$100.00
24	3.1.2 Design Site Structure	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	3.1.3 Design Database Structure	\$0.00	Prorated	\$90.00	\$0.00	\$90.00	\$0.00	\$90.00
26	3.1.4 Overall Design Approval	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27	3.2 Implementation	\$0.00	Prorated	\$3,000.00	\$0.00	\$3,000.00	\$0.00	\$3,000.00
28	3.2.1 Create Database	\$0.00	Prorated	\$1,200.00	\$0.00	\$1,200.00	\$0.00	\$1,200.00
29	3.2.1.1 User Database	\$0.00	Prorated	\$400.00	\$0.00	\$400.00	\$0.00	\$400.00
30	3.2.1.2 Book Database	\$0.00	Prorated	\$400.00	\$0.00	\$400.00	\$0.00	\$400.00
31	3.2.1.3 Pre-load text book data & user data	\$0.00	Prorated	\$400.00	\$0.00	\$400.00	\$0.00	\$400.00
32	3.2.1.4 Database Approval	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
33	3.2.2 Create User Interface	\$0.00	Prorated	\$900.00	\$0.00	\$900.00	\$0.00	\$900.00
34	3.2.2.1 Create Content Code	\$0.00	Prorated	\$900.00	\$0.00	\$900.00	\$0.00	\$900.00
35	3.2.2.1.1 PHP/SQL	\$0.00	Prorated	\$500.00	\$0.00	\$500.00	\$0.00	\$500.00
36	3.2.2.1.2 CSS/HTML	\$0.00	Prorated	\$400.00	\$0.00	\$400.00	\$0.00	\$400.00
37	3.2.2.2 User Interface Approval	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
38	3.2.2.3 Publish Page	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39	3.2.3 Create Admin Interface	\$0.00	Prorated	\$900.00	\$0.00	\$900.00	\$0.00	\$900.00
40	3.2.3.1 Create Content Code	\$0.00	Prorated	\$900.00	\$0.00	\$900.00	\$0.00	\$900.00
41	3.2.3.1.1 PHP/SQL	\$0.00	Prorated	\$500.00	\$0.00	\$500.00	\$0.00	\$500.00
42	3.2.3.1.2 CSS/HTML	\$0.00	Prorated	\$400.00	\$0.00	\$400.00	\$0.00	\$400.00
43	3.2.3.2 Admin Interface Approval	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
44	3.2.3.3 Publish Page	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
45	3.2.4 Perform Usability Testing	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
49	4 Controlling	\$0.00	Prorated	\$4,320.00	\$0.00	\$4,320.00	\$0.00	\$4,320.00
50	4.1 Weekly Meetings	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
66	4.2 Status Reports	\$0.00	Prorated	\$2,880.00	\$0.00	\$2,880.00	\$0.00	\$2,880.00
71	4.3 Project Updates	\$0.00	Prorated	\$1,440.00	\$0.00	\$1,440.00	\$0.00	\$1,440.00
74	4.4 Ongoing Usability Testing	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
75	5 Closeout	\$0.00	Prorated	\$180.00	\$0.00	\$180.00	\$0.00	\$180.00
76	5.1 Compile Final Project	\$0.00	Prorated	\$180.00	\$0.00	\$180.00	\$0.00	\$180.00
77	5.2 Submit Final Project	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
78	5.3 Team Member Evaluation	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

I. ONGOING COSTS

Costs for server space and a web host will be needed to run the mobile web app.

J. PAYBACK

Initial Investment / Cash Inflow per Period = Payback Period

\$8,670(initial investment) / \$3,000(cash inflow per period) = **2.85 years**

K. NET PRESENT VALUE (NPV)

Project Value - Project Cost = Net Present Value

\$15,000 - \$8,670 = **\$6,330**

L. RETURN ON INVESTMENT (ROI)

(NPV / Project cost) x 100 = ROI

[(6330) / \$8,670] x 100 = **73%**

M. SYSTEM PROTOTYPE

a. INTRODUCTION

The objective of this project is to provide a system for 49 books employees to enter information about the books available in store. 49 Books is required to enter book, Title, Author, ISBN, and Price.

We chose to create a mobile web app from Scratch based on knowledge we gained from previous coursework and personal experience. Two interfaces were created, one for the end user to access the online reservation and entry form (figure 1), and the second allows the administrator to manage users and manipulate data (figure 2).

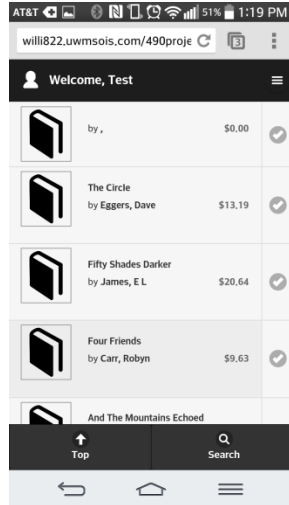


Figure 1

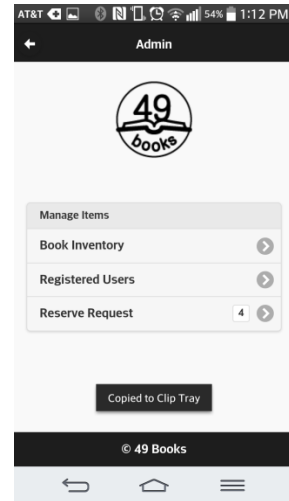


Figure 2

b. REGISTRATION FORM

The Entry form is where users can register to use the mobile app.

 A screenshot of a mobile application interface showing a 'Sign Up Form'. The status bar shows 'AT&T', signal strength, and battery at 67% at 3:32 PM. The browser address bar shows 'willi822.uwmsois.com/490proje'. The app header has 'Cancel' and 'Sign Up Form' buttons. The form fields are:

- First Name: 'John'
- Last Name: 'Doe'
- Phone: 'eg 555-555-5555'
- Email: 'doejohn@example.com'
- Street: 'e.g. 123 Center St.'

 The Android navigation bar is at the very bottom.

 A screenshot of a mobile application interface showing a registration form. The status bar shows 'AT&T', signal strength, and battery at 67% at 3:32 PM. The browser address bar shows 'willi822.uwmsois.com/490proje'. The form fields are:

- Street: 'e.g. 123 Center St.'
- City: 'e.g. Milwaukee'
- State: 'e.g. Wisconsin'
- Zipcode: '53204'
- Password: 'password'
- A 'Submit' button at the bottom.

 The Android navigation bar is at the very bottom.

After registration there user email and password, they will no be able to login to the mobile app like in Figure 3.

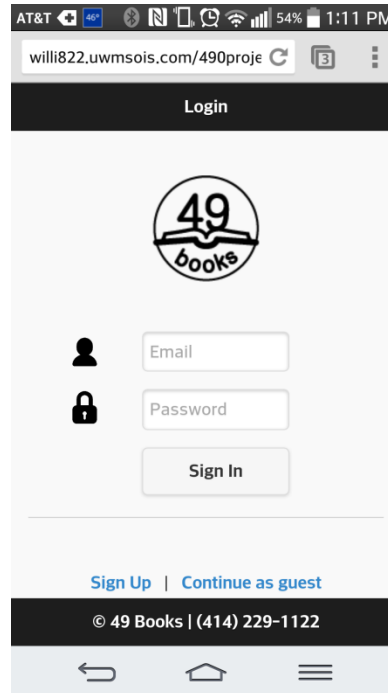


Figure 3

Test Login Information:

Email: b@b.com

Password: password

www.49books.net

c. ADMINSTRATIVE BACKEND

An administrative backend was developed for the manipulation of 49 books data. This section of the sites allows the administrator(s) to add new users, books, and view which books had been reserved and by what users like in (figure 2).

There are three sections of the admin Site:

- Users- The administrator can add, edit, and delete users from the system.
- Books – The administrator can add, view, edit and delete books from the system. The Books table contains the information pertaining to each different book, such as ISBN number, Book title, author, and price. This section also contains a search function.
- Reserved Books – The administrator can view, edit, and delete information involving a request made by the user.

The administrative backend can be accessed when the administrator logs in

Admin Login

Email: admin@admin.com

Password: password

d. FTP SERVER ACCESS

The group was provided with FTP access to a server that houses the project.

All of the project code is available here.

HOST:

Username:

Password: avacado45

N. SYSTEM DOCUMENTATION: USERS

O. SYSTEM DOCUMENTATION: TECHNICAL

a. Code

The system is located at willi822.uwmsois.com server. All working code is available here, accessible with the FTP server access information from section M part d above.

b. Detailed Statement explaining main configuration work

c. Entity Relationship Diagram and table Schemas (ERD)

d. Website Diagram

