

Content for Example Project for Your “Lab Book”

You may copy and paste this information into your lab book for project x. Note: the responses for project x are fictitious and used only for this example.

1. Ethnography results
 - a. See the following files in <http://www.larson-tech.com/CS560>
first hour.pdf
second hour.pdf
dorm room layout.pdf

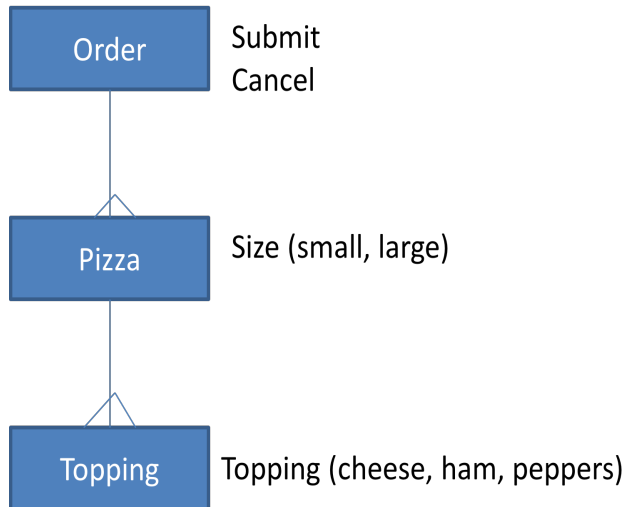
2. Project goal

Build a pizza ordering website

3. Estimate the time for each team member to (a) research, (b) design, (c) implement, and (d) test the project implementation

<u>Team Member</u>	<u>Research</u> (Est. hrs.)	<u>Design</u> (Est. hrs.)	<u>Implement</u> (Est. hrs.)	<u>Test</u> (Est. hrs.)	<u>Total</u>
Student 1	4 hours	1 hours	3 hours	4 hours	13 hours
Student 2	4 hours	3 hours	3 hours	4 hours	13 hours
Total	8 hours	4 hours	6 hours	8 hours	26 hours

4. Scenarios describing how users might use the application.
 - a. User orders a small pizza with cheese and ham
 - b. User orders a large pizza with cheese, ham, and peppers
 - c. User tries to order a small pizza with cheese, ham, and pineapple, but pineapple is not available
 - d. User orders a small pizza with just cheese, then cancels the order
5. The content and control models for the user interface



6. Mockup or prototype

Ajax Pizza

Size	Topping
Large	Cheese
Small	Ham
	Peppers

7. Peer review

Peers suggested the following enhancements:

- Make it possible to order more than a single pizza
- Enable users to select several toppings on each pizza

8. Focus group review

The following summarizes the major comments:

- More toppings are needed
- Make it possible to order drinks
- Add a delivery option

To avoid feature creep and maintain our current schedule, we will save these suggestions for a second release

9. Usability test script

Here is the usability test script:

- a. Thank you for agreeing to perform this usability test. Note that we are testing how easy it is to use the “lab book” application. This application describes the activities and experiences of students as they develop a user interface and the corresponding application. We are not testing you. We are interested in discovering what problems you encounter while using this app. Don’t worry about making mistakes. They will help us improve the “lab book” application.
- b. Set your browser to <https://www.test.com>
- c. Perform each of the following “performance” tasks:
 - i. Order a small pizza with cheese and ham
 - ii. Order a large pizza with cheese, ham, and peppers
 - iii. Order a small pizza with cheese, ham, and pineapple
 - iv. Order a small pizza with just cheese, then cancel the order
- d. Answer the following “preference” questions:
 - i. On a scale from 1 to 5 with 1 representing bad and 5 representing great, how easy were the tasks to perform?
 - ii. On a scale from 1 to 5 with 1 representing bad and 5 representing great, did the system provide help when you needed help?
 - iii. On a scale from 1 to 5 with 1 representing bad and 5 representing great, how did you like the “look and feel” of the website?
 - iv. What did you like best about the application?
 - v. What did you think should be added to the application?
- e. Thank you for providing your time and insight to help us improve this application.

10.Results of the usability test

Performance results:

<u>Task</u>	<u>Subject 1</u>	<u>Subject 2</u>	<u>Subject 3</u>	<u>Subject 4</u>
Order a small pizza with cheese and ham	20 sec.	15 sec.	25 sec.	18 sec.
Order a large pizza with cheese, ham, and peppers	18 sec.	10 sec.	12 sec.	21 sec.
Order a small pizza with cheese, ham, and pineapple	15 sec.	20 sec.	42 sec.	10 sec.
Order a small pizza with just cheese, then cancel the order	20 sec.	failed	25 sec.	failed

Preference questions and responses

<u>Question</u>	<u>Subject 1</u>	<u>Subject 2</u>	<u>Subject 3</u>	<u>Subject 4</u>
How easy were the tasks to perform?	5	4	5	5
Did the system provide help when you needed help?	3	2	Did not need help	4
How did you like the “look and feel” of the website?	4	5	5	5
What did you like best about the application?	Color and layout	Easy to use	Everything fit on a single screen	Slow response

What did you think should be added to the application?	Buy drinks	Buy beer	Delivery service	More topping options

11. Actual time spent by each team member to (a) research, (b) design, (c) implement, and (d) test the project implementation

Actual time spend to complete the project:

<u>Team Member</u>	<u>Research</u>	<u>Design</u>	<u>Implement</u>	<u>Test</u>	<u>Total</u>
Student 1	4 hours	1 hours	3 hours	4 hours	13 hours
Student 2	4 hours	3 hours	3 hours	4 hours	13 hours
Total	8 hours	4 hours	6 hours	8 hours	26 hours

12. Summary of what each team member learned by doing the lab project

- We used the Wix.com editor to create this application by starting with a similar application and, then, modifying it. The Wix editor was easy to use after watching a couple of youtube.com videos.
- Documenting each step of the process seemed time-consuming and tedious, but should be valuable when reviewing this project when building additional websites.
- It takes some courage to ask non-computer scientists to be subjects, but getting subjects is necessary to build a quality website.
- We underestimated the time necessary to implement the tasks, leaving little time to test and experiment

13. Explain how to access your application or website by either

- How to download the .apk for the app
- How to find the web page by supplying its URL