

Project Plan & Timeline - Rails

Assessment

We are required to design, build, deploy and present a Ruby on Rails application (*App*) in a group. The app must be a two-sided marketplace.

The project will be broken up into five key stages:

1. Brainstorm

- a. Brainstorm ideas for potential two-sided marketplace apps.
- b. Finalise idea and get ok from Garret.
- c. Research website designs and templates and narrow down designs that are similar to the look we would like.
- d. Create moodboard of colour schemes and font selection for website.

2. Plan

- a. Check how we will use the minimum requirements:
 - i. Create using Ruby on Rails.
 - ii. Use Postgresql database in development and production.
 - iii. Feature authentication (eg. Devise).
 - iv. Feature authorisation (i.e. users have restrictions on what they can see and edit).
 - v. Feature some type of file (eg. images) uploading capability.
 - vi. Implement a payment system for your product. (e.g. Stripe).
 - vii. Use appropriate gems.
 - viii. Deploy to Heroku.
- b. Write user stories.
- c. Decide which features are part of core functionality and which should be stretch goals to be completed if time allows.
- d. Create wireframe of mobile and desktop versions of site.
- e. Create user workflows
- f. Create ERD design
- g. Get approval for wireframes and ERD from Garret.

3. Develop

- a. Gather and write content required.

- b. Create Rails MVC architecture - models, controllers and views
 - c. Implement required file structure.
 - d. Write html and css code for website pages.
 - e. (If there's time) Implement stretch goals.
- 4. Test
 - a. Test - automated and manual
 - b. Validate html and css code.
 - c. Check for accessibility considerations.
 - d. Test website for responsive design and breaking points.
- 5. Present
 - a. Collate materials from planning stage and other documentation.
 - b. Create a powerpoint presentation to show how we created the app, from brainstorming to testing and completion.
 - c. Give the presentation and walk-through live application and its features.
 - d. Field any questions from the audience.

Timeline

Day	Task
1 (29/4)	<ul style="list-style-type: none"> ➤ Brainstorm ideas for app ➤ Form User Stories ➤ Create moodboard ➤ Create wireframes ➤ Create ERD ➤ Create user workflows ➤ Finalize wireframes and ERD with Garret for go ahead
2 (30/4)	<ul style="list-style-type: none"> ➤ Put Project Plan and documentation into place ➤ Add crows feet to ERD ➤ Finalise wireframes ➤ Develop rails scaffold ➤ Generate Models
3 (1/5)	<ul style="list-style-type: none"> ➤ Figure out what controllers and views we need ➤ Do routes for all endpoints ➤ Make new git branches ➤ Finalise wireframes

	<ul style="list-style-type: none"> ➤ Install devise and change seeds file ➤ Create listings controller - create, view and edit a listing
4 (2/5)	<ul style="list-style-type: none"> ➤ Edit listings functionality ➤ Implement authorization so designers can only view your own listings etc. ➤ Implement authentication ➤ Add login and signup links to homepage ➤ Link listings to quotes ➤ Change signup page to include other required fields ➤ Implement AWS and test file upload
5 (3/5)	<ul style="list-style-type: none"> ➤ Change sign up form with fields required ➤ Add printer info page ➤ Work on authorization for each user type ➤ Add redirect links to pages ➤ Setup stripe ➤ Add authorization for jobs page ➤ Add content to homepage and sign up links ➤ Change sign-up form so printer or designer is pre-selected ➤ Make sure all required fields are entered in forms
6 (4/5)	<ul style="list-style-type: none"> ➤ Fix picture validation on listings ➤ Changed Devise login page to have our 2 sign-up links
7 (5/5)	<ul style="list-style-type: none"> ➤ Added stripe payment feature and button ➤ Implemented authorization so edit links are only visible to applicable user
8 (6/5)	<ul style="list-style-type: none"> ➤ Review and fix quote validation ➤ Follow designer and printer workflows and note issues ➤ Fix bugs ➤ Work on project documentation ➤ Implemented successful stripe payment
9 (7/5)	<ul style="list-style-type: none"> ➤ Work on project documentation ➤ Added feature for successful payment to create new job
10 (8/5)	<ul style="list-style-type: none"> ➤ Work on HTML and CSS styling ➤ Test and fix pages with any bugs ➤ Fill content for home page
11 (9/5)	<ul style="list-style-type: none"> ➤ Work on HTML and CSS styling ➤ Added images and content to relevant pages ➤ Test deploying to Heroku ➤ Deployed on Heroku

	➤ Work on project documentation
12 (10/5)	➤ Test responsive design ➤ Work on html and css code. ➤ Automated and manual testing ➤ Finalize project documentation
13 (11/5)	➤ Deploy final app to Heroku
14 (12/5)	➤ Project deadline on Canvas
15 (13/5)	➤ Present project to class