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You have a captain's log due before 2022-12-04 (in about 2 hours)! Log it now!
(/captain_logs/1392821/edit)

Research & Project approval (Part 3)

- Group project
- Portfolio project
- Presentation

By: Michelle Lai

Weight: 1

Project to be done in teams of 3 people (your team: Tadesse Ayele)

Project will start Dec 2, 2022 6:00 AM, must end by Dec 9, 2022 6:00 AM

☒ **Manual QA review must be done** (request it when you are done with the project)

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Concepts

For this project, we expect you to look at this concept:

- Maze project (/concepts/133)



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What's a Portfolio Project?

The Portfolio Project will be a project you will showcase on your resumé, online, and during interviews. A completed Portfolio Project will consist of:

- A landing page describing your project
- A comprehensive `README.md`
- A demo of the project
- A presentation
- A blog post

Why build a Portfolio project?

The Portfolio Project serves several different purposes:

1. Highlights a Student's unique interests and background when networking, or interviewing with potential employers.
2. Provides a realistic workplace scenario where engineers create a solution to fit loosely defined requirements, break this down into concrete tasks and implement on a deadline.
3. Allows for self-directed learning to explore a new technical topic, deepen understanding of a curriculum-covered topic, or use technology to bring an idea to life.

Timeline and checkpoints

Projects can be developed alone, or in teams of up to 3 students. The technologies and project concept are defined by the student teams.

Research & project approval (Part 1-3)

- Week 1: Project proposal (staff review, approval required)
- Week 2: MVP (Minimum Viable Product) proposal (staff review, approval required)
- **Week 3: Trello (`/rltoken/nHPXY_uuCJ8h-diK1DoyJw`) board (staff review, approval required)**



Build Portfolio Project

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- Week 4: Development
- Week 5: MVP completed (staff review, approval required)
- Week 6: Landing page deployed, final presentation delivered (staff review, approval required)
- Week 7: Blog post reflection (peer review)

What's the Trello board?

Trello (/rltoken/nHPXY_uuCJ8h-diK1DoyJw) is a free project management software that uses a kanban board (/rltoken/WBoV3Vg98rcrkt2Ala524w) to visually track the implementation of a feature set from “to-do” to “done”. Trello makes it easy to assign tasks, collaborate and collect notes in a central location.

There are other project management tools, such as Asana (/rltoken/H9I1VYSF8kdMXVuo9d9iPQ), Airtable (/rltoken/Q8gCI02YehO3Z_vWdDvllg), and Jira (/rltoken/Vx-2zvCZYFhArPb1v4X7aQ). Trello has been selected for ease of use and ability to visualize progress.

Some things to think about

Scope of tasks

Creating well-scoped tasks is a skill that requires practice. Also explore creating subtasks within a task.

Dependencies

Some tasks will rely on other ones to first be completed. Other tasks can be done in parallel but may require integration with other components along the way. Define your tasks with dependencies in mind.

Priority

Similar to thinking about dependencies, it will also be important to complete the highest-risk part of your software first to ensure that the central workflows of your software can be completed. It may make sense to prioritize tasks that the team is least knowledgeable about, or require the greatest resources.

Default Project

If you do not have an idea, and do not submit a proposal or do not gain approval for your proposed projects, you'll be expected to complete the 2D Game: **The Maze** - concept page available on top of this project.

More Info

Manual QA Review

It is your responsibility to request a review for your Trello board from a peer before the project's deadline. If no peers have been reviewed, you should request a review from a staff member.



0. Share your Trello board!

mandatory

Share a link here to a public Trello board where each of the following tasks are addressed.

Add URLs here:

Save

☐ Done?

Help

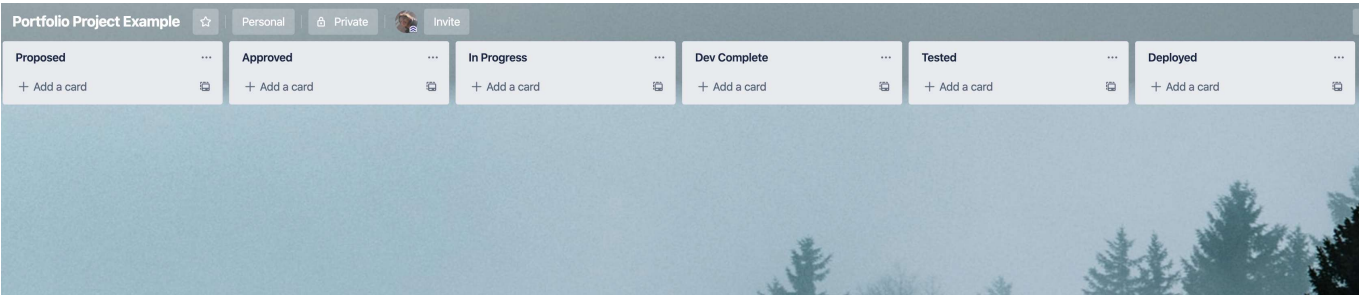
1. Column Headers

mandatory

Set up your Trello board with the following columns:

- Proposed
- Approved
- In Progress
- Dev Complete
- Tested
- Deployed

Example:



☐ Done?

Help

2. Create Cards

mandatory

In the “proposed” column, create cards to fully represent the engineering tasks necessary to implement to satisfy the User Stories defined for your MVP. For each card, attach detailed descriptions, mockups, diagrams or technical specifications relevant to the engineering task.



Implement Login

in list Proposed

MEMBERS

DUE DATE

K + ☐ Feb 27 at 2:22 PM

Description

Edit

Implement Firebase's authorization flow for logging in

Checklist

0%

☐ guest login

☐ user login

Add an item

Activity

K Write a comment...

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

Cover

POWER-UPS

Get Power-Ups

ACTIONS

Move

Copy

Make Template

Watch

☐ Done?

Help

3. Assign cards

mandatory

For each card, assign ownership to a team member. This should make sense given the roles specified in the project proposal.



(/)

Sign Up

Choose Username

Password

Re-Type Password

Email (optional)

Birthday

☐ Boy ☐ Girl

Sign Up

✕

Cover

Create ability to sign up as a new user

in list [Proposed](#)

Description Edit

A new user needs to provide the following information:

- Name (required)
- email (required)
- password (required)
- password verify (required)
- birthday (required)
- boy/girl (optional)

After signup, the new user must verify via email and then the account becomes verified.

ADD TO CARD

Members

Members

✕

Search members

BOARD MEMBERS

Michelle Lai (michellai)

POWER-UPS

[Get Power-Ups](#)

ACTIONS

[→ Move](#)

[Copy](#)

Attachments

Screenshot 2020-02-05 13.22.10.png ↗

Added 17 minutes ago - [Comment](#) - [Delete](#) - [Edit](#)

[Remove Cover](#)

☐ Done?

[Help](#)

4. Invite collaborators

mandatory

Invite the technical staff to be a collaborator on the Trello board so that each proposed task can be commented upon and moved into the approved column.

← → ↻ 🔒 trello.com/b/VXLtSfUK/portfolio-project-example

Boards

Portfolio Project Example

Personal Private Invite

Proposed

Sign Up

Choose Username

Password

Re-Type Password

Email (optional)

Birthday

☐ Boy ☐ Girl

Sign Up

Approved

+ Add a card

Text

1

2

Invite To Board

✕

Email address or name

Send Invitation

Invite with Link [Create Link](#)

Anyone with link can join as board member



☐ Done?

Help

5. Set Due Dates

mandatory

For each task, based on priority and dependencies, assign a due date within the 2 week development window.

trelllo.com/c/W3GZoFL1/3-create-ability-to-sign-up-as-a-new-user

Project Example

...

Ap

to sign up as a new user

0/7

to login

add/edit/remove dogs base.

er card

Create ability to sign up as a new user

in list [Proposed](#)

Description

Edit

A new user needs to provide the following information:

- Name (required)

- email (required)

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- boy/girl (optional)

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Attachments

Screenshot 2020-02-05 13.22.10.png

Added 31 minutes ago - [Comment](#) - [Delete](#) - [Edit](#)

[Remove Cover](#)

Add an attachment

Change Due Date

Date

2/6/2020

Time

1:53 PM

Prev

February 2020

Next

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Set Reminder

1 Day Before

Reminders will be sent to all members and watchers of this card.

Save

Remove

Enable the Calendar Power-Up!

You'll get a calendar view of your cards and an iCal feed. Woo!

☐ Done?

Help

6. Add a few mandatory tasks

mandatory

Include the following tasks to the "Approved" column:

- Create presentation
- Create project landing page
- Write comprehensive README.md
- Make demo of the project
- Write blog post



(/)

Approved

Create presentation

Create project landing page

Write comprehensive README.MD

Make demo of the project

Write blog post

+ Add another card

☐ Done?

Help

Ready for a manual review

