The Lab – Ai Intern Challenge

Congratulations! You've been selected to advance to the next round of The Lab, Plus Also Studios' internship program. We're excited to see your skills in action!

Challenge Overview

Below, you'll find three different briefs. You only need to complete ONE of these challenges by the deadline specified in your invitation email.

Important Guidelines:

Deadline: Your submission must be received by the date and time stated in your email. Late submissions cannot be considered for the next interview round.

Resources: You are encouraged to use any of Plus Also Studios' existing services and infrastructure to complete your challenge.

Expense Reimbursement:

- If you need to use additional services or hosting:
- You may be reimbursed up to AUD$50 for necessary services
- Keep all tax receipts for reimbursement purposes
- Submit these receipts along with your challenge solution

Submission Process: Follow the detailed submission instructions at the end of this document to ensure your work is properly evaluated.

Please pick any one of the following briefs:

Brief 1. [IMAGE TO IMAGE] Please help build a platform using any frontend or backend technology at your disposal to:
- Allow the user to upload a product image (product here can be anything, a piece of cloth, a can of beer, etc).
- Allow the user to specify a prompt.
- Allow the user to select an aspect ratio (16:9, 4:5, 1:1, 9:16, etc)
- Upon the user submitting the process, create an image that references the product image.
- Allowing the user to download that image

The response will be scored upon (in order of priority):
- Completion of the brief
- The quality of the output images
- The architecture / how the project is set up
- The ease of use of the solution

Brief 2. [IMAGE MASKING] Please help build a platform using any frontend or backend technology at your disposal to:

- Allow the user to upload a product image (product here can be anything, a piece of cloth, a can of beer, etc).
- Allow the user to specify a prompt to specify an item in the image.
- Upon the user submitting the process, mask the image with a solid colour
- Allow the user to download the image or the mask

The response will be scored upon (in order of priority):

- Completion of the brief
- The quality of the mask
- The architecture / how the project is set up
- The ease of use of the solution

Brief 3. [DATA PROCESSING PORTAL] Please help build a platform using any frontend or backend technology at your disposal to:

- Allow the users to provide one or many URLs (in case of many urls, one URL can be used at one of the time). The URL is pointing to any product detail page of a product, on any popular eCommerce website (i.e. a product url on Coles, Woolworths, BWS, Kmart, Target, etc).
- Allowing the user to provide an instruction for curating of data
- Upon user submission, the solution reads the content on the URLs, and utilise AI to transform them into a **spreadsheet** with the format provided by the prompt (i.e. Product Name, Description, Pricing, Image URL, etc).

The response will be scored upon (in order of priority):

- Completion of the brief
- The accuracy of the data crawled by the solution
- The prompt adherence of the model selected
- The architecture / how the project is set up
- The ease of use of the solution

Submission Instructions

Please provide the following for your completed challenge:
- Staging Link: Share a live URL where we can view your working solution.
    o Include any necessary login credentials if access is restricted.
- GitHub Repository: Provide a link to your code repository.
- Documentation: Your repository should include a comprehensive README file with:
    o Setup instructions (how to build and run your project locally)
    o Any dependencies or prerequisites
    o Testing procedures (if applicable)
    o Any other relevant information that would help us evaluate your work