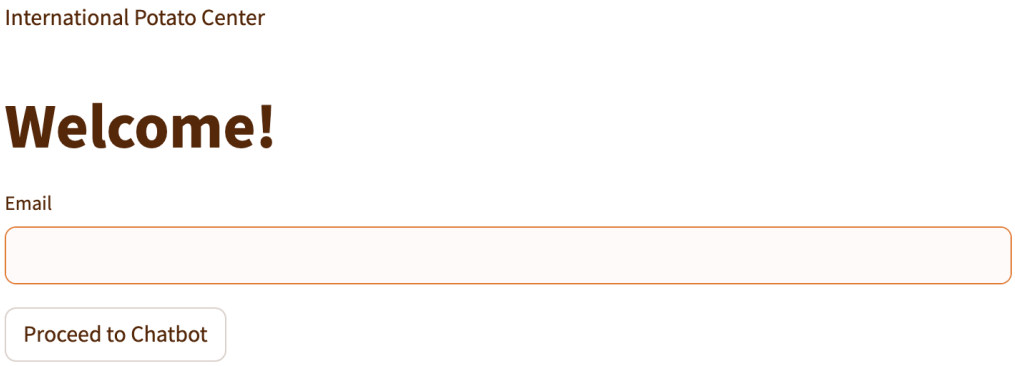
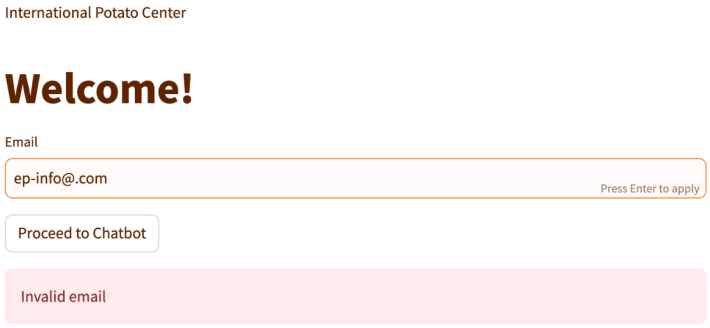
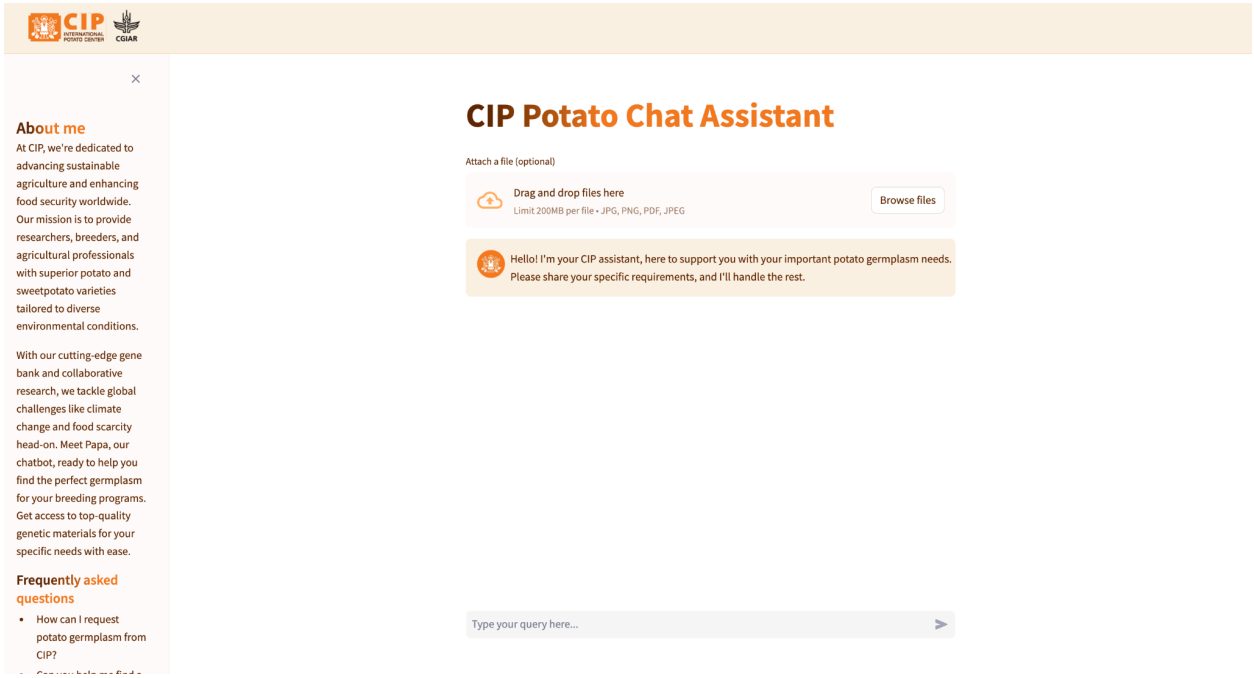
Login screen




This is the login screen for the International Potato Center AI Chat assistant. We implemented this because we wanted to identify the CIP users and not authenticate them. The user will begin by typing in their email address. If their email address does not match a registered user, then, when the user presses the “proceed to chatbot” button, it will say “invalid email address” and produce an error message as follows:




If the email does match to a registered user, it will proceed to the main chatbot. Following is the main chatbot screen:




Main chatbot
Here the user can upload a file in JPG, PNG, PDF, or JPEG format.Or, the user can type in a question in the “type your query here” section of the chatbot.The chatbot will then gather the appropriate information and send the answer back to the user.

Gather details “Target State” template

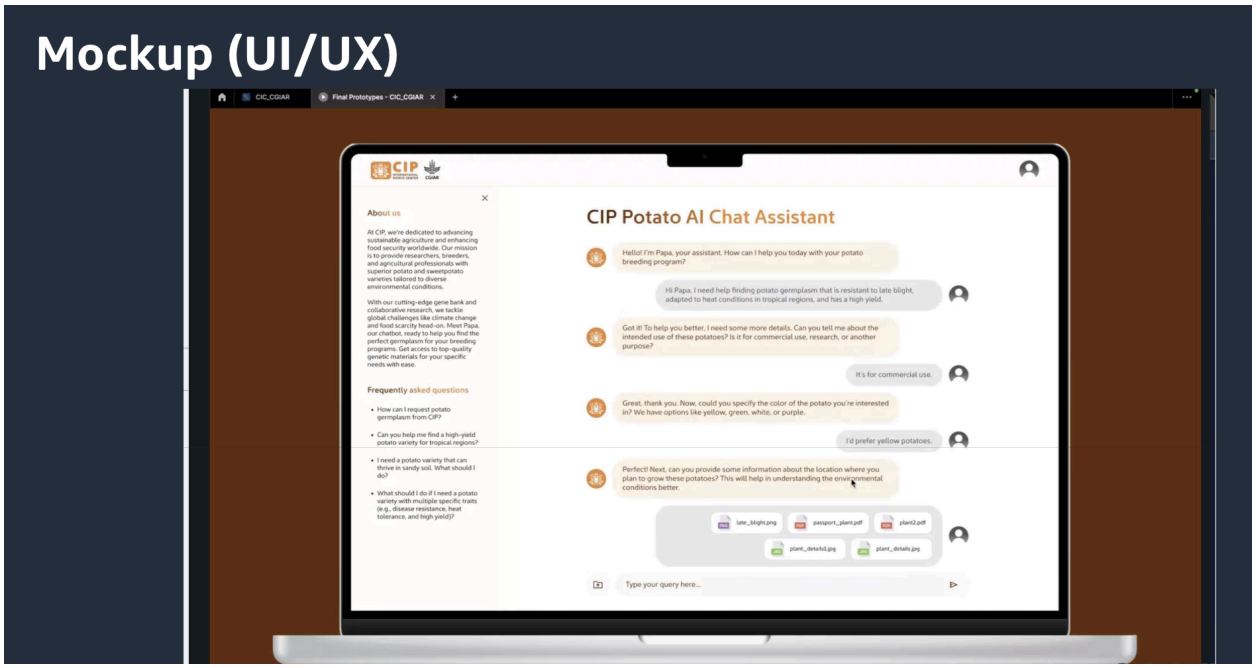
CIC RAPID PROTOTYPING

## Gather Details (“Target State” Template)

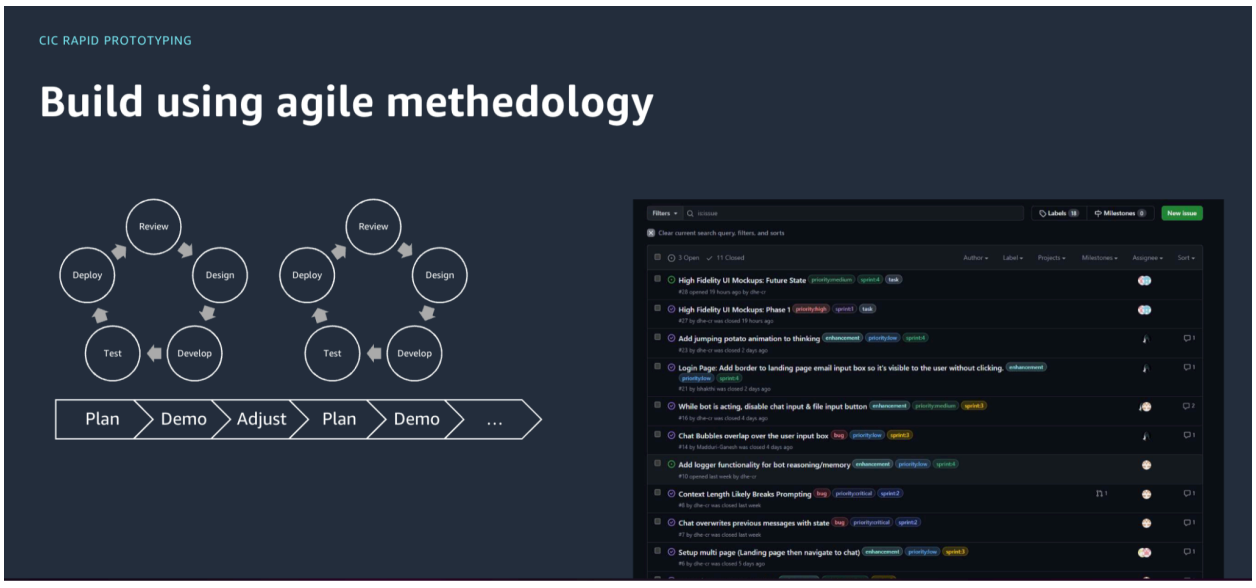
| Trait | Question To Ask (Example) | Possible User Response (Examples) | Must have/Nice to have | Order Important? | Valid Answers (Examples) |
|---|---|---|---|---|---|
| **Usage** | How will you use this germplasm? | I want to use it for commercial | Yes | Yes<br>Ask first | |
| **Color** | Would you like yellow, green, white or purple for the germplasm? | I want a yellow | Yes | Yes | Yellow, green, purple |
| **Temperature** | Language for temperature | Lorem ipsum | Yes | No | |
| **Location** | Where do you plan on growing the potato? | Lorem ipsum | Yes | | |
| **Lat** | What is the latitude *** (Possibly infer from location) | Lorem ipsum | Nice to have | | |
| **Long** | What is the longitude *** (Possibly infer from location) | Lorem ipsum | Nice to have | | |
| **....** | .... | Lorem ipsum | .... | .... | .... |

We prepared a list of sample user survey questions that the user can ask the bot. We decided on categorizing the questions (usage, color, temperature, location, latitude, longitude), listing

possible user responses, determining whether we need the question or not, how important the question is, and what should be the answer that is returned back to the user.




This is the initial UI/UX version that me and Arpita created. We started with the customer in mind and wanted the chatbot to be easily accessible. The user can upload pdfs, jpegs, and any other file format that contains information related to  potato germplasm along with their questions. On the left sidebar, we have an about us and FAQ section. This is so that the user can be educated about the purpose of the chatbot and how to use the chatbot. We also wanted to make sure that we align with the branding of the CIP organization so we decided on the colors of orange, brown, and light orange.



To optimize our UX/UI project using Agile methodology, we formed a “2 pizza team,” ensuring our team size was manageable and effective. We divided the project into two key iterations: a low-fidelity prototype and a high-fidelity prototype. This incremental development approach allowed us to continuously integrate user feedback, refining the product iteratively.

We conducted daily stand-up meetings focused on UI/UX progress to maintain clear communication and quick issue resolution. Additionally, we held weekly customer meetings to demonstrate the latest developments, ensuring alignment with customer expectations and gathering valuable feedback for the next iteration.

Project management was streamlined using ASANA, which facilitated task tracking, progress monitoring, and collaboration across the team.