



uOttawa

CEG4912

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Date Submitted: 30-01-2023

[Trello dashboard:](#)

Organized tasks into lists and boards to track progress, assign responsibilities, and collaborate with team members.

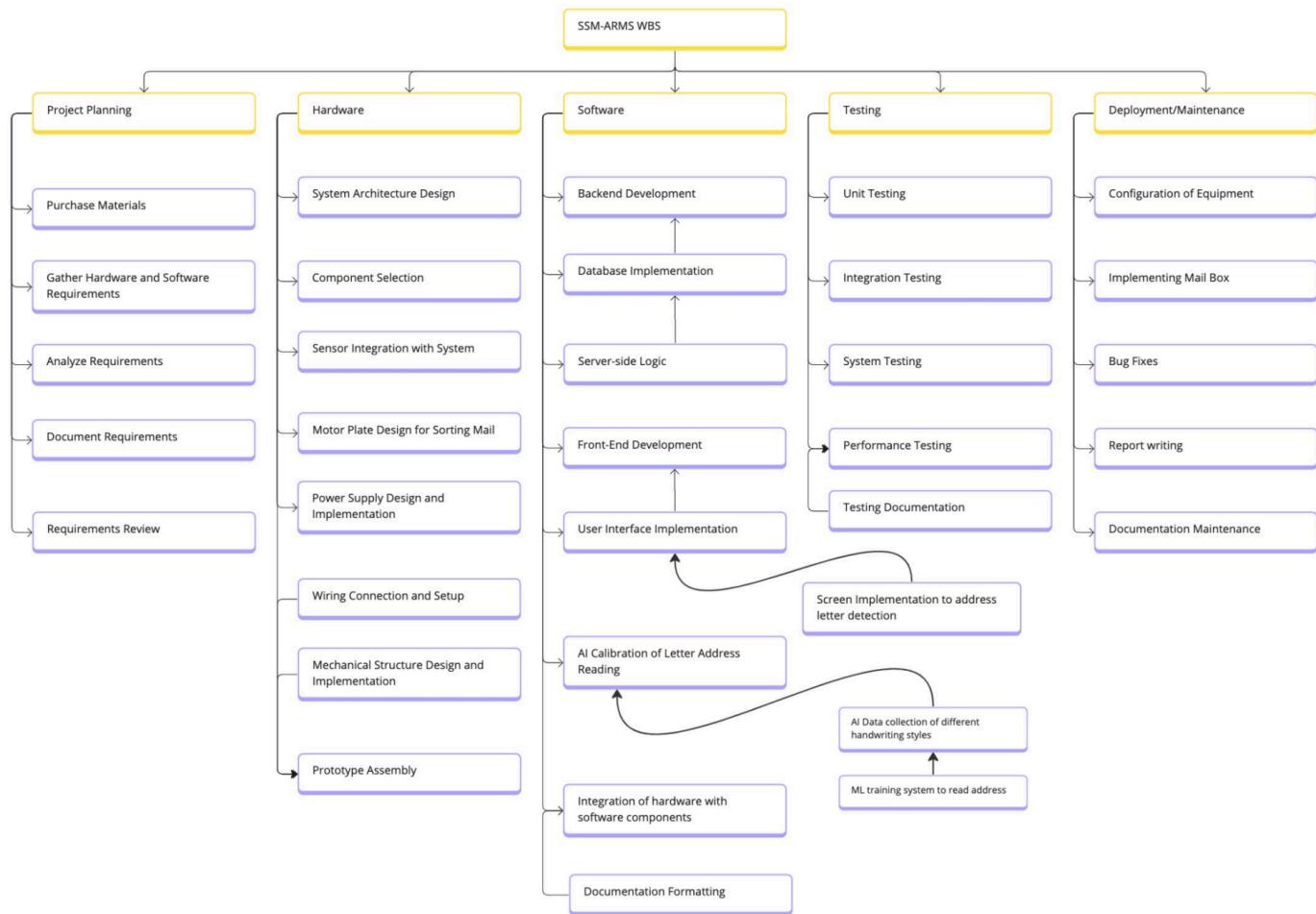
The screenshot shows the Trello dashboard with a board titled "CEG4912-4913". The left sidebar includes sections for "Trello Workspace Free", "Boards", "Members", "Workspace settings", "Workspace views" (Table and Calendar), and "Your boards" (CEG4912-4913). The main area displays three lists: "To Do", "In Progress", and "Completed".

- To Do**
 - Test GPIO pin functionality on device
 - Configure IR Sensor
 - Integrate sensor with camera
 - Program LED message display to show status
 - Prepare midterm presentation
 - Record documentation up until midterm
 - Prepare AI documentation for address interpretation
 - Start initial researching for data collection to train the AI system
- In Progress**
 - Research Hardware Equipment
 - Gantt chart rough draft
- Completed**
 - Gather Materials
 - WBS Rough Draft

At the bottom left, there is a "Try Premium free" button.

WBS:

Diagram that decomposes the project into smaller and manageable components.



Link to view the WBS structure on Miro:

https://miro.com/welcomeonboard/e1RFVlIKUXNsB3YwWVpaVDZzbnpOZEowbzV4MTJLUDIKNINwdFZYT2lrOGxkeGJIMDBlbHIVSnU4MFlsaUR6Q3wzNDU4NzY0NTc2OTQwODAxMTk0fDI=?share_link_id=512670624449

Gantt chart : A timeline view of the project, highlighting key tasks and their duration.

Gantt chart

Add Task

Board List Calendar Table Gantt Gantt + View

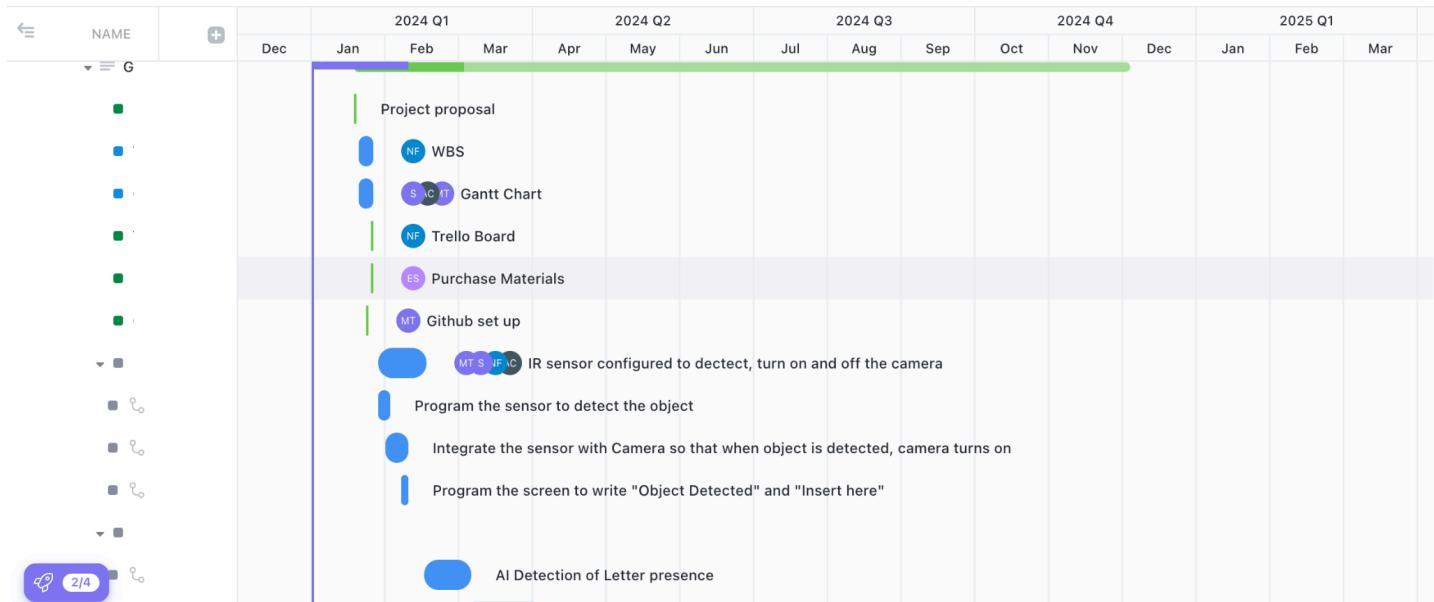
Q Search Hide Customize

Filters Me mode Assignees Hide

Search tasks...

Today Week/Day Sort by

Export



Gantt chart

Add Task

Board List Calendar Table Gantt Gantt + View

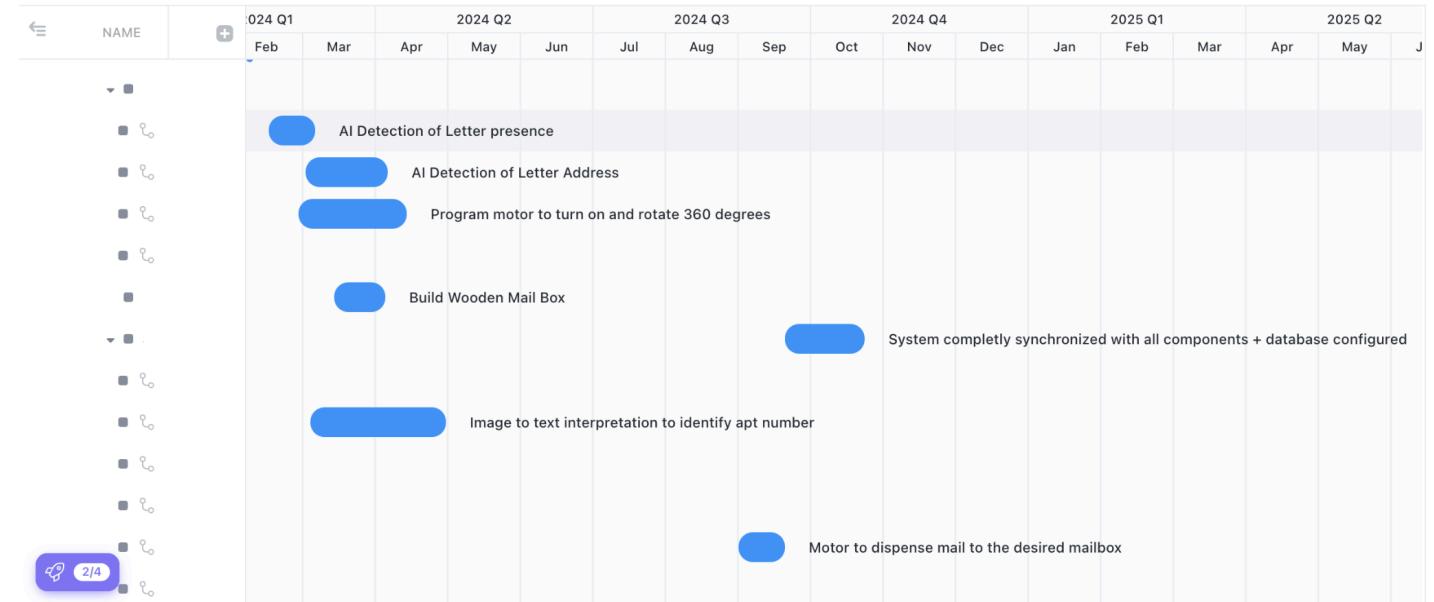
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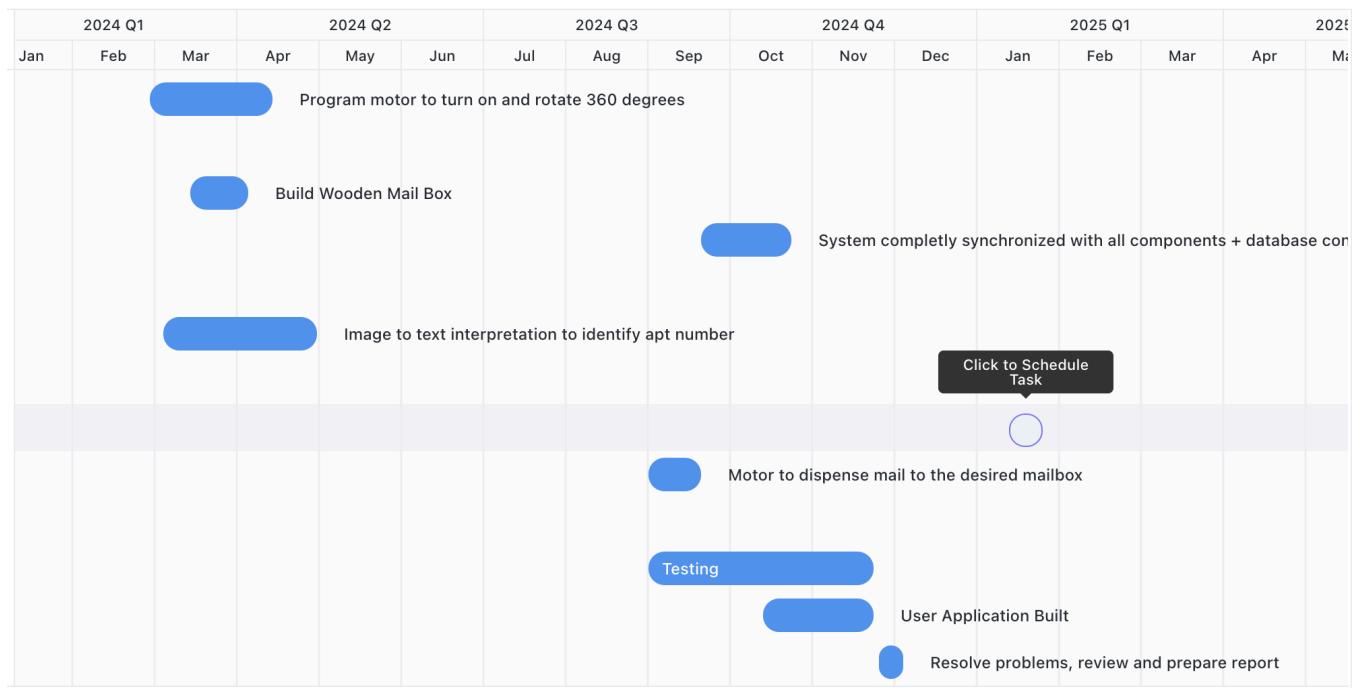


Table View of Gantt Chart:

| TO DO | | 7 | ... | + Add Task | | | | | |
|--|---------------|----------|----------|------------|----------|-----|--|--|--|
| Name | Assignee | Due date | Priority | Status | Comments | | | | |
| IR sensor configured to detect, turn on and dispense mail | AC, NF, S, MT | Feb 16 | ☐ | TO DO | Q | ... | | | |
| Program the sensor to detect the object | RF | Fri | ☐ | TO DO | Q | ... | | | |
| Integrate the sensor with Camera so it can read address | RF | Feb 9 | ☐ | TO DO | Q | ... | | | |
| Program the screen to write "Object detected" | RF | Feb 9 | ☐ | TO DO | Q | ... | | | |
| First Level completed+ Motor functional | RF | Mar 5 | ☐ | TO DO | Q | ... | | | |
| AI Detection of Letter presence | RF | Mar 5 | ❗ Urgent | TO DO | Q | ... | | | |
| AI Detection of Letter Address | RF | Apr 5 | ❗ Urgent | TO DO | Q | ... | | | |
| Program motor to turn on and rotate 360 degrees | RF | Apr 13 | ❗ Normal | TO DO | Q | ... | | | |
| Write test cases for AI detection | RF | Apr 13 | ☐ | TO DO | Q | ... | | | |
| System completely synchronized with all components + database config | RF | Oct 23 | ☐ | TO DO | Q | ... | | | |
| Integrating camera to turn on when sensor detects object | RF | Oct 23 | ☐ | TO DO | Q | ... | | | |
| Image to text interpretation to identify apartment number | RF | Nov 22 | ☐ | TO DO | Q | ... | | | |
| Screen Indicates Identified Apt. number | RF | Nov 22 | ☐ | TO DO | Q | ... | | | |
| Synchronize Motor to the identified address | RF | Dec 10 | ☐ | TO DO | Q | ... | | | |
| Motor to dispense mail to the desired mailbox | RF | Sep 19 | ☐ | TO DO | Q | ... | | | |
| Database configured to hold address and dispense logic | RF | Sep 19 | ☐ | TO DO | Q | ... | | | |
| Testing | RF | Nov 22 | ☐ | TO DO | Q | ... | | | |
| Build Wooden Mail Box | RF | Apr 4 | ☐ | TO DO | Q | ... | | | |

| | | | | | | | | |
|------------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|--|-------------------------------------|-----|
| ▼ | <input checked="" type="radio"/> User Application Built | ⌚ 2 | <input checked="" type="radio"/> | Nov 22 | <input checked="" type="checkbox"/> | <input checked="" type="radio"/> TO DO | <input checked="" type="checkbox"/> | ... |
| □ | <input checked="" type="radio"/> Notification system for recipient indi... | ⌚+ | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="radio"/> TO DO | <input checked="" type="checkbox"/> | ... | |
| □ | <input checked="" type="radio"/> Synchronized with database | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="radio"/> TO DO | <input checked="" type="checkbox"/> | ... |
| □ | <input checked="" type="radio"/> Resolve problems, review and prepare re... | <input checked="" type="checkbox"/> | ⌚+ | Dec 3 | <input checked="" type="checkbox"/> | <input checked="" type="radio"/> TO DO | <input checked="" type="checkbox"/> | ... |
| + Add Task | | | | | | | | |

Link to view Gantt Chart in full: <https://app.clickup.com/9014074124/v/li/901401215065>