**WEEKLY REPORT and MEETING AGENDA**

Report #: 2 Project Name: SPICE

Date: 3/1/2023 Prepared by: Carlos Zapata III

**Agenda for the meeting**

1. Parts available for pickup
2. Waiting for parts to begin 3D printing
3. Looking over UI and technologies to use for it

**Overall accomplishments since last meeting**

1. Sketch of UI completed with connections
2. New set of part sketches for tubular spice housing
3. Arduino IDE mock up code for operation

**Tasks completed by each team member since last meeting**

| Task description | Assigned to | Completed? |
| --- | --- | --- |
| Finalize components list and place order | All | Yes |
| Finalize Motor Mechanism | Caleb/Carlos | No |
| Finalize Sliding Shaft | Caleb/Carlos | Yes |
| Begin Working on UI | JP | Yes |
| Begin Working on Arduino/Pi | Kile | Yes |
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**Plans for next period**

1. Complete 3D models of ordered parts for reference
2. Work on 3D models for base and housing components
3. Have a minimal working UI using JavaFX interface (No backend)
4. Connect Raspberry Pi to Arduino

**Task assignment per team member (to be completed before the next meeting)**

| Task description | Assigned to |
| --- | --- |
| Fabricate Rotating Base | Caleb/Carlos |
| Continue Working on UI | JP/Carlos |
| Connect Raspberry Pi to Arduino | Kile/Caleb |
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**Project management status**

1. Parts are ordered and waiting to be picked up

**Minutes from previous meeting**

Meeting Minutes:

Parts:

Karl - Form filled out, email links with form to Karl

Going over Parts:

Base, looks good

Dr. Mahapatra - Questions about housings and rotating mechanism

Carlos/Caleb - Stepper motor for rotating

Having a screw mechanism for each house

Circular housing with screw base

Dr. Mahapatra - Number of spices, make it 8 when complete

Karl - Add in an “order” functionality, takes order combination of spices

Dr. Mahapatra - Thread pitch, one spiral for each

- Model how much spice will be dispensed

- Half spin to one spin

- Running motor

- Moving water pipe

Karl - List for ingredients, spices

Dr. Mahapatra - Individual Screws for each housing, easy to clean