



Change Food for Good.

Project Plan

| NAME | Jenny Li | | | | | |
|---|--------------|------------|----------|----------|-------------|--|
| TASK TITLE | TASK OWNER | START DATE | DUE DATE | DURATION | TASK STATUS | MATERIALS REQUIRED/ REFERENCES NOTES |
| Task 1 - Dream Farm Ideation | Jenny | | | | | |
| Subtask 1 - research hydroponic systems | Jenny | 8/29/2024 | 9/5/24 | 1 hr | Complete | |
| Subtask 2 - identify the food system issue/ gap | Jenny | 8/29/2024 | 9/5/24 | 1 hr | Complete | |
| Subtask 3 - create your dream farm | Jenny | 8/29/2024 | 9/5/24 | 1 hr | Complete | |
| Task 2 - Needs Assessment | Jenny | | | | | |
| Subtask 1 - identify grow area & measure dimensions | Jenny | 9/5/24 | 9/12/24 | 1 hr | Complete | |
| Subtask 2 - identify the type of crops | Jenny | 9/5/24 | 9/12/24 | 30 mins | Complete | |
| Task 3 - 2D and 3D Design | Jenny | | | | | |
| Subtask 1 - floor plans | Jenny | 9/4/24 | 10/18/24 | 2 hrs | Complete | |
| Subtask 2 - 3D model design | Jenny | 9/4/24 | 10/18/24 | 3 hrs | Complete | |
| Subtask 3 - system diagrams | Jenny | 9/4/24 | 10/18/24 | 2.5 hrs | Complete | |
| Task 4 - Hydroponics Case Study Project | Jenny | | | | | |
| Subtask 1 - written sections | Jenny | 9/27/24 | 10/20/24 | 3.5 hrs | Complete | |
| Subtask 2 - visual sections | Jenny | 9/27/24 | 10/20/24 | 5 hrs | Complete | |
| Task 5 - Farm Planning Template | Jenny | | | | | |
| Subtask 1 - identify specific desired crop(s) | Jenny | 9/11/24 | 9/18/24 | 1 hr | Complete | |
| Subtask 2 - identify initial materials needed | Jenny | 9/11/24 | 9/18/24 | 1 hr | Complete | |
| Task 6 - Career | Jenny | | | | | |
| Subtask 1 - revamp resume on CakeResume | Jenny | 9/25/24 | 10/12/24 | 2 hrs | Complete | |
| Subtask 2 - career pathway assessment | Jenny | 8/29/24 | 10/18/24 | 30 mins | Complete | |

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|--|---------------------------------|------------|----------|----------|-------------|--|
| SYSTEM | Deep Water Culture System (DWC) | | | | | |
| TASK TITLE | TASK OWNER | START DATE | DUE DATE | DURATION | TASK STATUS | MATERIALS REQUIRED/ REFERENCES NOTES |
| Task 1 - Identify Project Goals & Ideation | | | | | | |
| Subtask 1 - identify the bigger food system issue | Jenny | | | | Complete | |
| Subtask 2 - identify what your community may need | Jenny | | | | Complete | |
| Task 2 - Research & Materials | | | | | | |
| Subtask 1 - identify grow area conditions & measure dimensions | Jenny | | | | Complete | |
| Subtask 2 - identify the type of crops | Jenny | | | | Complete | |
| Subtask 3 - set project budget | Jenny | | | | Complete | |
| Subtask 4 - research materials needed for the system build | Jenny | | | | Complete | |
| Task 3 - Budgeting & Setup | | | | | | |
| Subtask 1 - research into local shops/ other suppliers for the "build" of the system | Jenny | | | | Complete | |
| Subtask 2 - research into local shops/ other suppliers for the "maintenance" of the system | Jenny | | | | Complete | |
| Subtask 3 - set some time to unpack/ pickup materials | Jenny | | | | Not Started | |
| Task 4 - Prepare the crops | | | | | | |
| Subtask 1 - take the crop seeds and put them in the grow medium | Jenny | | | | Not Started | |

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| Subtask 2 - germination stage - seeds should be lightly covered as they need to be exposed to light in the germination stage | Jenny | | | | Not Started | |
| Subtask 3 - transplanting stage - once passed the germination stage, transplant the seedlings to net pots (reference the SOP as needed) | Jenny | | | | Not Started | |
| Subtask 4 - make sure the roots can reach the nutrient solution | Jenny | | | | Not Started | |
| Task 5 - System Build | | | | | | |
| Subtask 1 - determine the number of crops | Jenny | | | | Not Started | |
| Subtask 2 - drill holes into the water reservoir to fit the net pots | Jenny | | | | Not Started | |
| Subtask 3 - place air stones on the bottom of the reservoir and make sure they are connected to the air pumps for oxygenation | Jenny | | | | Not Started | |
| Subtask 4 - put the appropriate nutrient solution in the water reservoir | Jenny | | | | Not Started | |
| Subtask 5 - adjust the PH level accordingly (reference the SOP document as needed) | Jenny | | | | Not Started | |
| Subtask 6 - add the check valves to the irrigation line | Jenny | | | | Not Started | |
| Task 6 - Lighting | | | | | | |
| Subtask 7 - install proper lighting fixture distance and even distribution | Jenny | | | | Not Started | |
| Task 7 - Maintenance (reference the SOP document) | | | | | | |
| Subtask 1 - testing and dosing | Jenny | | | | Not Started | |
| Subtask 2 - temperature and humidity | Jenny | | | | Not Started | |
| Subtask 3 - pruning and plant care | Jenny | | | | Not Started | |
| Subtask 4 - root maintenance | Jenny | | | | Not Started | |
| Task 8 - Harvest | | | | | | |
| Subtask 1 - gather harvesting scissors, pruners, containers, towels etc. | Jenny | | | | Not Started | |

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| NAME | Jenny Li | | | | | |
|--|--------------------------------------|------------|----------|----------|-------------|--|
| SYSTEM | Nutrient Film Technique System (NFT) | | | | | |
| TASK TITLE | TASK OWNER | START DATE | DUE DATE | DURATION | TASK STATUS | MATERIALS REQUIRED/ REFERENCES NOTES |
| Task 1 - Identify Project Goals & Ideation | | | | | | |
| Subtask 1 - identify the bigger food system issue | Jenny | | | | Complete | |
| Subtask 2 - identify what your community may need | Jenny | | | | Complete | |
| Task 2 - Research & Materials | | | | | | |
| Subtask 1 - identify grow area conditions & measure dimensions | Jenny | | | | Complete | |
| Subtask 2 - identify the type of crops | Jenny | | | | Complete | |
| Subtask 3 - set project budget | Jenny | | | | Complete | |
| Subtask 4 - research materials needed for the system build | Jenny | | | | Complete | |
| Task 3 - Budgeting & Setup | | | | | | |
| Subtask 1 - research into local shops/ other suppliers for the "build" of the system | Jenny | | | | Complete | |
| Subtask 2 - research into local shops/ other suppliers for the "maintenance" of the system | Jenny | | | | Complete | |
| Subtask 3 - set some time to unpack/ pickup materials | Jenny | | | | Not Started | |
| Task 4 - Prepare the crops | | | | | | |
| Subtask 1 - take the crop seeds and put them in the grow medium | Jenny | | | | Not Started | |

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|---|-------|--|--|--|-------------|--|
| Subtask 2 - germination stage - place seeds in a moist growing medium. (reference the SOP as needed) | Jenny | | | | Not Started | |
| Subtask 3 - transplanting stage - once passed the germination stage, transplant the seedlings to net pots (reference the SOP as needed) | Jenny | | | | Not Started | |
| Subtask 4 - make sure the roots can reach the nutrient solution flowing in the channels | Jenny | | | | Not Started | |
| Task 5 - System Build | | | | | | |
| Subtask 1 - determine the number of crops | Jenny | | | | Not Started | |
| Subtask 2 - determine the spacing of the crops and its placement in the NFT channels | Jenny | | | | Not Started | |
| Subtask 3 - place air stones on the bottom of the reservoir and make sure they are connected to the air pumps for oxygenation | Jenny | | | | Not Started | |
| Subtask 4 - place water pumps on the bottom of the reservoir and make sure they are working | Jenny | | | | Not Started | |
| Subtask 4 - put the appropriate nutrient solution in the water reservoir | Jenny | | | | Not Started | |
| Subtask 5 - adjust the PH level accordingly (reference the SOP document as needed) | Jenny | | | | Not Started | |
| Subtask 6 - add the check valves to the irrigation line | Jenny | | | | Not Started | |
| Task 6 - Lighting | | | | | | |
| Subtask 7 - install proper lighting fixture distance and even distribution | Jenny | | | | Not Started | |
| Task 7 - Maintenance (reference the SOP document) | | | | | | |
| Subtask 1 - testing and dosing | Jenny | | | | Not Started | |
| Subtask 2 - temperature and humidity | Jenny | | | | Not Started | |
| Subtask 3 - pruning and plant care | Jenny | | | | Not Started | |
| Subtask 4 - root maintenance | Jenny | | | | Not Started | |

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