

UCF Senior Design-1 Canvas

1) Senior Design Why, Hopes, Fears	
Why are we doing senior design?	
To graduate and have full project on resume.	
What are our hopes?	What are our fears?
To have a cool and successful project that we are proud of and to pass the class.	Missing deadlines and failing the class.

2) Lessons Learned	
To be successful, what should we do?	To be successful, what shouldn't we do?
Communicate and work together as a team.	Fail to communicate.

3) Team Values	
What are our team values?	
<ul style="list-style-type: none"> - Respect - Communication - Flexibility - Teamwork - Honesty/Integrity 	

4) Team Behaviors	
What are the positive impact behaviors to do?	What are the negative impact behaviors to avoid?
<ul style="list-style-type: none"> - Communicate - Be flexible - Work together 	<ul style="list-style-type: none"> - Lack of communication - Lying

5) True Problem Statement	
What is the problem we are trying to solve?	
How to feed a pet when you are not home or are busy.	

6) 100 Ideas	
What are our ideas to solve the problem?	
<ol style="list-style-type: none"> 1) Auto-feeder with timer so food dispenses automatically. 2) Button-feeder where you train pet to feed themselves. 3) Sensor that dispenses food when pet is looking for it. 4) Pet-feeder connected to remote to manually dispense food. 5) Pet-feeder connected to mobile device to set-timer or manually dispense food. 	

7) Potential Solution	
What idea do we select to solve the problem?	
Mobile device.	
Why is this the selected solution?	
More robust and modern solution that can easily be built on.	

8) Project Scope					
	Deliverables				
	DC V1.0	DC V2.0	60 Page	100 Page	Final Doc
Customer	Prof	Prof	Prof	Prof	Prof
Due Date/ Milestone	1/29/21	2/12/21	4/2/21	4/16/21	4/27/21
Technical Requirements	Organized	Well-planned	Detailed	Detailed. Clean.	Complete
Tasks to Complete	1) Pick idea 2) plan how to solve	1) Plan how to solve 2) Research	1) Document research 2) Test	1) Modify designs 2) Continue test	1) Finalize designs 2) Clean up paper

9) Project Risks	
What are the risks?	What are the steps to mitigate the risk?
Not finishing	Plan a schedule
Not enough knowledge	Research topics
Online	Communicate more often
Idea too complex	Ask professor for help
Idea not complex	Ask professor for help

10) Team Members				
Who is each team member?	What are their strengths?	What are their weaknesses	What are their constraints?	What are their expected contributions?
Bao N.	Works hard	Procrastination	Work	Coding
Mehrob F.	Time	Lazy	Work	Coding
Hamid I.	Circuits	No time	Family/Work	Circuits
Nick N.	Knowledge	Time	Work	Coding

11) Routine Meetings		
When will we routinely meet?	What is the agenda?	What do we need to bring with us?
Every Thursday at 12PM	Work individually for now and talk at meetings	Stuff we found and something to document with