UCF Senior Desig

1) Lessons Learned

To be successful, what should we do?	To be successful, what shouldn't we do?
1. Communicate 2. Do things early 3. Stay organized 4. Meet often 5.	1. Don't quit 2. Do pointing fingers 3. Get off track 4. Don't isolate

2) Senior Design Why, Hopes, Fears

Why are we doing senior design?

For that Resume
For experience
For skill practice
For higher paying jobs
For fun

What are our hopes?	What are our fears?
Quality, successful project Great communication Increase in skills/ability Potentiable idea	Conflicts Procrastination Failure

3) Team Values

What are our team values?

Dependability
Respect
Communication
Empathy
Dedicatedness

4) Team Behaviors

What are the positive impact behaviors to do?	What are the negative impact behaviors to avoid?
Reliability, great attitude, communication, punctiality	Anger, isolation, blaming, distractions

5) True Problem Statement

What is the problem we are trying to solve?

Over consumption of water

6) 100 Ideas

What are our ideas to solve the problem?

Smart Shower
Smart Irrigation
Desalination System
Smart Toilet
Humidity 2 Water
Rain water collector
Local Reclamation System
Water Priority System

7) Potential Solution

What idea do we select to solve the problem?

Smart Shower
or
Smart Irrigation

Why is this the selected solution?

Most feasible

Canvas

	8) Project Scope				
	Deliverables				
Customer	Bootcamp	Divide & Conquer			
Due Date/ Milestone	Professor	Professor			
Technical Requirements	5/31	6/8			
Tasks to Complete	• NA	flowcharts, application			
	1) Develop scope 2) Share with core team 3) Refine	Produce draft Refine draft Submit			

9) Project Risks	
What are the risks?	**What are the steps to mitigate the risk?**
Project complexity	simplify, update requirements
scheduling	decide on schedule early
cost	proper research on components
timing	shedule an early finish

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?**
Marc Simon	coding, communications	electrical concepts	time	coding
Winston Baptiste	designing, electrical	coding	time	designing
Kyle Miller	software	communication	time	software
Kenyatta Samuels	electrical	overthinking	time	electrical

11) Routine Meetings		
When will we routinely meet?	**What is the agenda?**	**What do we need to bring with us?**
M-W @ 8pm T-Th @ 6:30pm	General updates on work, blockers, delegate task, future initiative	Good attitude, work done laptops,