TEAM 192   2009 PROJECT PLAN

Adult: Bob Ekman

Team members	Bot 1 (CBC)	Bot 2 (Create)	Documentation	Notes
Stephen C	Terry S*	Stephen C	Dana R	We'll kick bot!
Terry S	Nick A	Alex O*	Katie D	
Dana R	Andrew B	Jesse S		
Nick A	Richard A	Joshua R		
Andrew B	Matthew S	Peter D		
Alex O	James K	Russel W		
Joshua R				
Peter D				
Russel W				
Matthew S				
Richard A				
James K				
Gurpreet (Jesse) S				
Katie D				

* (Doc) stands for Documentation; this person contributes raw information to the Documentation Lead
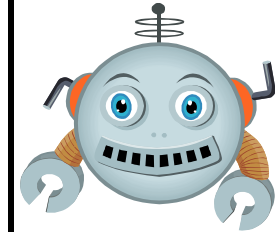
Availability Chart

Team members	Jobs	Wednesdays	Saturdays	Spring Break
Stephen C	Leader	OK	OK	Away
Terry S	Second-in-command	OK	OK	OK
Dana R	Documentation	OK	No afternoons	Away
Nick A	Building	OK	OK	OK
Andrew B	Coding	OK	OK	OK
Alex O	Planning	OK	OK	OK
Joshua R	Coding	OK	OK	OK
Peter D	Coding	OK	No afternoons	Away
Russel W	Planning	OK	No afternoons	Away
Matthew S	Building	OK	No afternoons	OK
Richard A	Coding/planning	OK	OK	OK
James K	Planning	Never	OK	OK
Gurpreet (Jesse) S	Coding	OK	OK	OK
Katie D	Testing/doc	OK	No mornings	OK

Week 1				
Goals	Responsible	Milestone	Status	Notes
Build Game Board	ALL	23-Feb-09	Complete	Completed and fully functional!
Learn Game Rules (watch promo video)	ALL	23-Feb-09	Complete	Potential challenges include the windmills, water, poms, and Botguy.
Inventory Kit		25-Feb-09	Complete	All parts accounted for. If we have any more rules questions, we will ask them.
Check FAQ	Dana	25-Feb-09	On-going	
Initial Designs	ALL	28-Feb-09	Complete	We came up with many good ideas, rejected a few, and we believe that our current designs will be easy to implement and successful.

Week 2				
Goals	Responsible	Milestone	Status	Notes
Evaluate Progress	ALL	4-Mar-09	On-going	We're off to a good start, but naturally have work to do.
Begin Models	Nick, Terry	4-Mar-09	Complete	Built a few prototypes of different possible attachments and a two different chassis models for the CBC. From these, we chose the best designs to construct.

Goals	Responsible	Milestone	Status	Notes
Study Past Code	Stephen, Andrew	4-Mar-09	Complete	Using techniques from past years - heavy reliance on sensors, and two different sets of codes: one for the seeding round, and one for the competiton round.
Study Past Models	Richard, Joshua	4-Mar-09	Complete	This year's models are bigger and better!
Begin Construction				
Gathering Materials	Ryan, Russel	4-Mar-09		All necessary parts have been acquired.
Bot 1 construction (CBC)	Bot 1 team	7-Mar-09	On-going	Beginning construction on "wall" to trap poms which may be lined up on the 12" PVC.
Bot 2 construction (Create)	Bot 2 team	7-Mar-09	On-going	Begun attaching arm that extends out sidewise to collect Botguy and push cups up in a rushing strategy. We are continually updating the project plan and beginning our other writeups far in advance.
Documentation	Dana, Katie	1 to 7-Mar-09	On-going	

Week 3				
Goals	Responsible	Milestone	Status	Notes
Evaluate Progress Construction	ALL	11-Mar-09	On-going	We have come a long way these past two weeks but have even further to go.

Goals	Responsible	Milestone	Status	Notes
Bot 1 construction (CBC)	Terry, Nick	11-Mar-09	Complete (now testing)	Our CBC features a claw for grabbing the blue balls and another attachment for the poms. This design, while complete, may undergo future modification.
Bot 2 construction (Create)	Stephen, Alex	11-Mar-09	Complete (now testing)	Our Create will use a sweeping arm to capture Botguy and the turbines. We may come up with other uses for this arm during coding.
Programming				
Setup C	Jesse	14-Mar-09	Complete	C set up! We toyed around with a few sample programs before beginning serious coding.
Bot 1 code	Richard, Andrew	14-Mar-09	On-going	Coding begun, but we have not yet tested our CBC on the board.
Bot 2 code	Joshua, Peter, Stephen	14-Mar-09	On-going	Coding partially completed. We have begun testing the Create on the board.
Documentation	Dana, Katie	14-Mar-09	On-going	Period one documentation is complete and submitted to BOPD. On to period two!

Week 4				
Goals	Responsible	Milestone	Status	Notes

Evaluate Progress Construction	ALL	18-Mar-09	On-going	Construction is largely complete - have begun coding and testing.
Bot 1 construction (CBC)	Terry, Nick	18-Mar-09	Complete	The CBC bot is now being coded. The planned designs have all been implemented.
Bot 2 construction (Create)	Stephen, Alex	18-Mar-09	Complete	The Create is also complete. It is ready for coding and testing on the board.
Programming				
Bot 1 code (CBC)	Richard, Andrew	21-Mar-09	On-going	The CBC coding has fallen a bit behind schedule. We need to have almost finished by next week at least to get back on top of this project.
Bot 2 code (Create)	Joshua, Peter, Stephen	21-Mar-09	On-going	Stephen could not attend the Saturday meeting, which set back the programming of the Create. However, other members picked up the slack, and we began testing this robot this week!
Integrating Bot 1 & Bot 2				
Mobility	Matthew	21-Mar-09	On-going	The Create as no problem moving around on the board. However, we have yet to test our CBC.

| Scoring | Russel | 21-Mar-09 | On-going | We managed to score points with our Create when we tested it on the board! Now we need to get the CBC scoring. |
| **Documentation** | Dana, Katie, Alex | 16 to 21-Mar-09 | On-going | Have gotten good starts on period two documentation by taking many photos. |

Week 5				
Goals	Responsible	Milestone	Status	Notes
Evaluate Progress Construction	ALL	25-Mar-09	On-going	We are continuing to code and test. Integration of the robots has begun.
Bot 1 construction (CBC)	Terry, Nick	25-Mar-09	Complete	CBC robot is now complete. Minor repairs are finished. May make minor adjustments to base to increase mobility, but other than that we are done!
Bot 2 construction (Create) **Programming**	Stephen, Alex	25-Mar-09	Complete	Create attachments are complete and fully functional. This robot is also done! Hooray for progress!
Bot 1 code	Richard, Andrew	28-Mar-09	On-going	Still working out some kinks in the coding. The "wall" attachment is difficult to align.
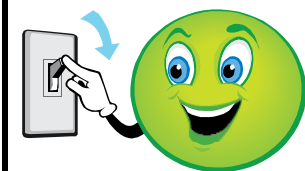
Goals	Responsible	Milestone	Status	Notes
Bot 2 code	Joshua, Peter, Stephen	28-Mar-09	On-going	We have to decide whether to use "dead reckoning" -- code alone -- or sensors to navigate the board.
Integrating Bot 1 & Bot 2				
Mobility	Russel	28-Mar-09	On-going	Some of our bots' attachments make it difficult for them to maneuver on the board. We are recording the problems and looking to the programmers for solutions.
Scoring	Matthew	28-Mar-09	On-going	While we are having moderate success at scoring points, our bots have potential for much, much better.
Documentation	Dana, Katie, Alex	28-Mar-09	On-going	Period two documentation is completed very early. Onward to period three!

Week 6				
Goals	Responsible	Milestone	Status	Notes
Evaluate Progress	ALL	3/30/2009 (latest meeting)	On-going	Made great progress with testing and coding last week!
Programming				
Bot 1 code (CBC)		1-Apr-09		
Bot 2 code (Create)		1-Apr-09		
Integrating Bot 1 & Bot 2				
Mobility		1-Apr-09		
Scoring		1-Apr-09		
Testing				

Goals	Responsible	Milestone	Status	Notes
Bot 1 test		4-Apr-09		
Bot 2 test		4-Apr-09		
Documentation		4-Apr-09		

Week 7

Goals	Responsible	Milestone	Status	Notes
Evaluate Progress	ALL	8-Apr-09		
Programming				
Bot 1 code		8-Apr-09		
Bot 2 code		8-Apr-09		
Integrating Bot 1 &				
Bot 2				
Mobility		11-Apr-09		
Scoring		11-Apr-09		
Testing				
Bot 1 test		11-Apr-09		
Bot 2 test		11-Apr-09		
Documentation		11-Apr-09		

Week 8

Goals	Responsible	Milestone	Status	Notes
Evaluate Progress	ALL	13-Apr-09		
Programming				
Bot 1 code (CBC)		13-Apr-09		
Bot 2 code (Create)		13-Apr-09		
Integrating Bot 1 &				
Bot 2				
mobility		15-Apr-09		
scoring		15-Apr-09		
Testing				
Bot 1 test		17-Apr-09		
Bot 2 test		17-Apr-09		
Documentation		15-Apr-09		