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Project Name:	PICASSAU
Team #, Members:	Team 2: Ben Straub, David Toledo, Drew Kerr, Kayla Frost, Peter Gartland
Report Date:	11/06/2013
Project Description:	A robot that paints a picture.
Cycle (1, or 2):	Cycle 2
Cycle Intent:	Produce a robot that can reliably paint a multi-color image produced from a webcam image.

TASKS

Task #	Task Description (Add rows as needed)	Cycle planned for completion	Planned Total planned hours	Planned hours this cycle	Status (% complete)	Actual hours this cycle	Total hours
1	Team management	2	55	35	73%	3.5	14
2	Mechanical hardware - construction	1	43	0	90%	28	66.5
3	Stabilize paintbrush carriage	2	31	31	50%	4.5	7.5
4	Electrical hardware	1	25	0	100%	1.5	24
5	Embedded software - plotting	1	25	0	100%	0	20.5
6	Embedded software - brush control and stability	2	41	41	30%	6.5	6.5
7	Computer software - main Python functionality	1	34	0	100%	4	11
8	Computer software - setting up the Raspberry Pi	2	35	32	80%	2	5
9	Computer software - user interface	2	35	35	25%	6	6
10	Computer software - optimization	2	12	12	0%	0.5	0.5
11	Image processing - filtering	1	60	0	100%	0	24
12	Image processing - vectorization	2	49	49	80%	23.25	23.25
13	Testing and integration	2	35	25	73%	31.25	63.75
14	Meetings	2	30	15	73%	21.5	62.5
15	Administrative documentation	2	30	15	73%	10	73.5
		Planned Total	550	250	Actual Total	142.5	408.5

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TEAM MEMBER HOURS

Record # of hours each person spent on each task this week, then total by week, cycle, and project.

Week 9 (10/30-11/6)																		
Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Week	Cycle	Project
Ben Straub	0	5.5	0	0	0	0	0	0	1.5	0	0	3.5	0	1	0	11.5	35	121
David Toledo	1	4.5	0	0	0	0	0	0	0	0	0	0	0	1	1	7.5	25.5	65.5
Drew Kerr	0	1.5	0	0	0	0	0	0	0	0	0	0	0	1	5	7.5	24	64
Kayla Frost	0	0	0	0	0	0	0	0	4.5	0	0	2	1	1	0	8.5	27.5	78.5
Peter Gartland	0	6	0	0	0	0	0	0	0	0	0	0	0	1	0	7	30.5	79.5
Totals	1	17.5	0	0	0	0	0	0	6	0	0	5.5	1	5	6	42	142.5	408.5

Accomplishments since last status report:

- New project website up and running: <http://picassau.weebly.com/>
- Constructed electronics housing.
- Developed program to vectorize filtered image.
- Created basic GUI for viewing image on RaspberryPi.

Obstacles encountered since last status report and actions to deal with same:

- Issue with connecting to webcam on the RPi.
 - Research related issues for possible solutions.

Risks facing the project and actions to deal with same:

- Illness of team members
 - Ensure that there is always someone capable of picking up another member's tasks
- Breaking hardware could put the project behind schedule / over budget
 - Be careful with the hardware and be ready to order replacements if need be
- Incorrect hardware could put the project behind schedule / over budget
 - Have multiple members double check the item before it is ordered
- Processor speed on Raspberry Pi may not allow real-time previewing of filtered camera feed

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Objectives for the next week:

- Continue developing GUI for RPi
- Decide on paint brush method
- Test vectorizing program on RPi

Notes:

