Turn in this sheet with your Lab Write Up. One Lab Write up per partner. You will find the lab instructions on the class webpage: [classes.soe.ucsc.edu/cmpe118/Fall13/TheHallway.html](classes.soe.ucsc.edu/cmpe118/Fall13/TheHallway.html)

## 1 Schedule and Contact Info

Choose a partner and submit your choice to: [http://tinyurl.com/lab0Partner](http://tinyurl.com/lab0Partner) Please fill your schedule with your partner in the calendar and proposed tasks. Class averages 25 hours per person a lab so schedule accordingly. Write actual Time spent below the scheduled task, preferably in a different color.

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
<th>SUNDAY</th>
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<tbody>
<tr>
<td>Sep 23rd</td>
<td>24th</td>
<td>25th</td>
<td>26th</td>
<td>27th</td>
<td>1</td>
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<td>Handed out</td>
<td>Choose Partners by Midnite</td>
<td>28th</td>
<td>29th</td>
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<tr>
<td>Pre-Lab</td>
<td>Oct 1st</td>
<td>2nd</td>
<td>3rd</td>
<td>4th</td>
<td>8</td>
<td>6</td>
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<tr>
<td>Due 6pm</td>
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<td>Last Check Off Lab Report due 6pm</td>
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</tbody>
</table>

Your Name: ___________________________  Partner’s Name: ___________________________
Your Email: _________________________  Partner’s Email: _________________________
Your Phone #: _______________________  Partner’s Phone #: _______________________
2 Check OFFs

Part 1: Test Harness Check: Tutor/TA Signature: ______________________
Program reads input from cockroach
Program reads input from keyboard

Part 2: Simple Roach Check: Tutor/TA Signature: ______________________
Coachroach runs when the lights are on
Coachroach hides when the lights are off
Coachroach doesn’t get stuck in corner or under chair
Code employs state machine

Part 3: Smart Roach Check: Tutor/TA Signature: ______________________
Code employs a hierarchical state machine
Roach exhibits more advanced behavior

Part 4: Basic Soldering Check: Tutor/TA Signature: ______________________
One PCB Board per partner
Solder joints are not underheated and board is not melted
Components are flat to PCB board

3 Pre-Lab Due September 30th

Lab Safety Training Certificate
Turn in Pseudo Code for Simple CockRoach
Finite State Machine for Simple CockRoach
Hierarchal State Machine for Smart Roach
Photo has been taken by a TA

4 Lab Write-Up Due Friday October 4th 6pm

Make sure to include Intro, Methodology, Results, and Conclusion sessions.
We appreciate insightful and succinct reports.

Mandatory Attachments:
Part 2: Finalized State Diagram, Finalized Pseudo-Code
Part 3: Finalized State Diagram
Part 4: Picture of your soldered/assembled board

DropBox Folder (make sure to share and include link in report):
Part 1: Test Harness Code
Part 2: Finite State Machine Code (and events code modified)
Part 3: Hierarchal State Machine Code

Partner Evaluation: Submit through http://tinyurl.com/Lab0PartnerEval