

WEEKLY REPORT

Date: 4/8/13

Group Name: DEC13-10

Client/Advisor: Dr. Zambreno

Members: Matt Dresser, Jordan Jacobson, Riley Swindell, Allison Thongvanh, Blake Vermeer

✓ **Past week accomplishments**

- ❖ A: Blake researched stepper motors
- ❖ B: Riley worked on user interface on touch screen
- ❖ C: Jordon got games running on Atom board
- ❖ D: Matt continued testing and making power transfer circuit more efficient
- ❖ E: Allison worked on CAD for prototype #2, prepared presentation for final review & documents

✓ **Plan for coming week (April 9-14)**

- ❖ A: (Allison) Complete design of prototype #2
- ❖ B: (Riley) Update site and work on user interface for game statuses
- ❖ C: (Jordon) Refine games on Atom board, work on software to interface with
- ❖ D: (Matt) Finish board layout and transfer circuit
- ❖ E: (Blake) Decide on stepper motors and chessboard design

✓ **Pending issues**

- ❖ A: Chessboard design (what method should we use for light/dark squares)
- ❖ B: Base design (Need to implement and test belts with servo and stepper motors in action)
- ❖ C: Software (Create prototype where a game can be played on some platform, program drivers for servo and stepper motors)
- ❖ D: Need web documentation up to date

✓ **Individual contributions**

- ❖ A: Matt – Power testing
- ❖ B: Jordan – Completed game-play on Atom board
- ❖ C: Riley – Started touch screen GUI
- ❖ D: Allison – worked on CAD prototype #2 (80/20 aluminum frame instead of rods) and final presentation and documentation
- ❖ E: Blake – Researched servos, stepper motors, and different methods of implementing dark/light squares

✓ **Individual hourly contribution**

- ❖ A: Matt – 4

- ❖ B: Jordan - 4
- ❖ C: Riley - 3
- ❖ D: Allison – 4
- ❖ E: Blake – 5