

Meeting Minutes 1

Team Fortissimo

June 21, 2016

1 Action Item Review

Team Contract was finished today and distributed to the team by means of the shared drive. Tomorrow it will be in print and signed.

2 Current Status

- The BandBeesten electrical system is currently unreliable and is in need of an overhaul and rework.
- The previous piano holding structure is heavy and needs to be redesigned to be lighter.
- A wooden base for the stand exists but may be too heavy.
- There have been problems in the past of the front wheel of the BandBeesten falling off.

3 Schedule Discussion

Dr. Odom will be gone next week. It is expected of us to have a solid model of the piano by the time that he gets back. It is also a goal that by this time the control system for the BandBeesten has also been mended and is in working order.

4 Budget

There has been no budget discussion as of yet

5 Quality

Quality is an important issue in this project. We are to create the illusion that this project is an actual piano that was lifted onto a stand. It is not until after the beginning of the performance that it will become clear that the piano is an engineering masterpiece. For this reason the external of the piano must look like an actual grand piano.

6 Team Dynamics

Roles were assigned today, and they are available in the team contract.

7 Client Relations

The show must go on, so must we. This is to perform on October 21st. To appease our client we will shoot to be done by October 1st.

8 Future Action Items

- The entire team is tasked with finalizing the orientation of the piano on the BandBeesten stand by next meeting.
- Coleton will investigate the electrical system and have finished the control by the team meeting two weeks from now.
- Parker will begin on the internal structure of the piano so that it can be designed in cad software. The cad mock up should be done by the same time as the electrical system.
- Abdullah will assist with the understanding of the electrical system, and the construction of the boxes.

Meeting Minutes 2

Team Fortissimo

June 28, 2016

1 Action Item Review

- The design for the structure of the box is still in the process of being designed and built.
- We have reviewed the code and circuit diagrams and have got the platform operational.
- Forward will be in the direction of the two wheels. with the pianist facing that direction.

2 Current Status

- Electrical Cleanup is needed
- Solid Works is started for new box and piano shape.

3 Schedule Discussion

- On track. Electrical was finished ahead of time
- Try to meet Dr. Odom's deadline for SolidWorks model

4 Budget

We will ask Odom via email seeing that he is gone this week.

5 Quality

Now that the base is in a working order it is now time to rewire the base to make it visually appealing.

6 Team Dynamics

For this next week to ensure that we achieve the deadline we will all shift to the solid modeling of the piano structure.

7 Client Relations

Dr. Odom is gone this week so we are going to send him an email with our current status and our goals for the upcoming week.

8 Future Action Items

- Parker creates keyboard and hinge design for box
- Abdullah will work on the top
- Coleton will create a Tk solver code for the stresses in the piano, and stresses on the hinge

Meeting Minutes 3

Team Fortissimo

July 6, 2016

1 Action Item Review

- The box is still being designed. Parker did a good job designing how the piano will fit inside the box and how to make it smaller and fit with the piano shape.
- Coleton and Abdullah worked on the tk solver code for a piano shaped distributed load. It proved to be more complex than originally thought then the TKsolver licence ran out.

2 Current Status

- Electrical Cleanup is needed
- Tk solver code is still in progress and needs to be finished to create the supports.
- Tkover code for point loads has been discovered from Dr. Odom's class.
- Parker is gone this week so Coleton and Abdullah will continue on trying to complete the solid-works.
- Wiki Page is started needs to be finished.
- Spec Page needs to be finished

3 Schedule Discussion

- Behind with the structure design
- Electrical Cleanup still needs to be done

4 Budget

The budget allocated to us is \$500. This should be enough for our project.

5 Quality

For the kibbie dome the fog machine needs to be CO_2 fuel. This is an important distinction.

6 Team Dynamics

Parker is gone, so Abdullah and Coleton will try to pick up this week what we can.

7 Client Relations

Dr. Odom is gone this week so we are going to send him an email with our current status and our goals for the upcoming week.

8 Future Action Items

- Begin talking to people at the Kibbie Dome to Discuss Testing.
- Continue working on structure design for box.
- Finish TK Code
- The above items need to be finished to buy materials. Materials should be ordered by the end of next week.

Meeting Minutes 4

Team Fortissimo

July 12, 2016

1 Action Item Review

- Scheduled to test in the Kibbie Dome on Thursday
- Internal Frame Idea has been explored and due to weight composite beams are suggested
- TK code was put on hold for other items.
- Materials not bought will buy them this week

2 Current Status

- Electrical Still needs to be redone
- Different Solid models have been created
- Wiki Site is Completed
- Specs page (official) is completed

3 Schedule Discussion

- Structure design still behind
- Electrical Clean-up Still needed

4 Budget

Sill at \$500

5 Quality

- Will Clean up electrical
- Structure will not be rushed.

6 Team Dynamics

Parker is gone this week, but it's cool

7 Client Relations

- Odom is still out of town
- We are worried about his opinion on composite materials.

8 Future Action Items

- Finish SW design and structure
- Test platform in the Kibbie dome
- Buy material for the piano structure

Meeting Minutes 5

Team Fortissimo

July 19, 2016

1 Action Item Review

- Tested the platform and performed exceedingly well. Way better than expected.
- Still working on Solid Works model
- Still need to purchase materials

2 Current Status

- Electrical has been completed
- All members are focusing on structure design and solidworks

3 Schedule Discussion

- Structure design still behind and needs to be complete asap
- Materials need to be purchased

4 Budget

Purchased electrical connections, remaining funds \$479.80

5 Quality

- Electrical redone and looks good
- Structure is visually appealing.
- We will show that this is a special place

6 Team Dynamics

All good in the hood

7 Client Relations

- Odom is Back
- disliked Composite materials.
- Focusing on airplane structure again

8 Future Action Items

- Finish SW design and structure
- Buy material for the piano structure

Meeting Minutes 6

Team Fortissimo

July 26, 2016

1 Action Item Review

- Piano Box Puzzle Pieces are complete
- FEA on piano structure is complete and am starting on Puzzle Pieces
- Materials still not bought will do tomorrow

2 Current Status

- Piano Box is Completed
- Piano shape is done, Puzzleatizing is in process

3 Schedule Discussion

- We are all focusing on getting sketches made for Laser Cutter

4 Budget

Remaining funds \$479.80

5 Quality

- FEA was used to make sure that our design was valid

6 Team Dynamics

Coleton is gone today will be back this week

7 Client Relations

- Odom liked box design. We will keep on motoring with SW and preparing for laser cutter

8 Future Action Items

- Finish SW design and structure
- Buy material for the piano structure
- Start Laser Cutting