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Milestone One

Part 1: Updated Game Document

So far, the only real change that I have chosen to pursue in this project is advice from the original Game Proposal submission. This was to not implement an AI but rather to focus on making the game two player first. A two player game is much easier and makes more sense to complete rather than try to implement an AI that makes its move sensibly.
The architecture of the project will remain the same. I am attempting to implement a MVC and so far this is going well so I am pleased with that. The user interface has not changed at all. I still plan on using the user controls similar to that of foosball and that is the plan going forward.
The final game design should not change at this current time.

Part 2: Updated Project Timeline

Original project timeline

Milestone One (3/15)

- ○ Field, Players, and Ball Created
- ○ Initial Sprites uploaded
- ○ Ability to choose sprites at the beginning of the game
- ○ Movement of the players should be completed

Milestone Two (3/29)

- ○ Ability to move mouse and make ball move to location of mouse

Milestone Three (4/12)

- ○ Combination of mouse moving, ball physics, and footballer sprites
- ○ Begin testing after this milestone (ideally)

Final Game Submission (4/26)

- ○ Completed game with completed Game Documentation

Final Exam Presentation (5/4)

- ○ Completed slideshow or demo video (either works)

Updated Project Timeline

Milestone One (3/30)

- ○ Field, and Ball Created
- ○ Initial Sprites uploaded
- ○ Ability to move mouse and make ball move to location of mouse

Milestone Two (4/12)

- ○ Ability to choose sprites at the beginning of the game
- ○ Players created with appropriate sprites
- ○ Movement of the players should be completed
- ○ Combination of mouse moving, ball physics, and footballer sprites
- ○ Begin testing after this milestone (ideally)

Final Game Submission (4/26)

- ○ Completed game with completed Game Documentation

Final Exam Presentation (5/4)

- ○ Completed slideshow or demo video (either works)

The updated timeline is reflected above. I have moved some items back to the second milestone while I also completed some items ahead of schedule which sort of evens out my future plans for this project. There is about a month remaining for this project and I think my timeline is still plausible. I am not exactly at the spot I would have liked to be but recognizing that and reasonably shifting the timeline makes sense to me. I worked on every component of the project as I am the only member of my group.

Part 3: Technical Challenges

- ● Understanding how to implement the vector position for the ball
  - ○ General idea is to take the ball's initial position and get the position of the mouse click and make the ball go in the position at a reasonable acceleration
  - ○ This was something I addressed originally in the game proposal document and it is still true that there is difficulty implementing this. No surprise really.
- ● Ball Physics
  - ○ I have no yet approached that in my project as I am not at that stage but
- ● Mouse and Ball Movement
  - ○ This was a technical challenge that I initially thought was going to be a problem. At the current time, I am learning and it is almost 100% implemented in the fashion that I wanted so that's promising.
- ● Placing all items at the right coordinates
  - ○ It has been increasingly difficult to add items to the right position on the field as the project develops. Every time has to have its appropriate space and not overlap. This has been a difficulty so far but I am working on it and slowly making all the items be in their proper spot.