

Final project proposal

Qt has been installed and is functional.

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Project proposal- Pong++

When launched, open to menu with 3 buttons- “Settings”, “Instructions”, and “Play”. (see bottom image for XML diagram)

1. Settings (top image)
  - a. Standard menu screen, allows rebinding of keys to desired format
  - b. Releases player 2 from CPU to allow for 2<sup>nd</sup> player
  - c. Allows for changing of colors
  - d. Allows manipulation of audio
  - e. Allows changing of team names
  - f. Allows for saving of score to file
  - g. Custom points needed to win and
2. Instructions (2<sup>nd</sup> image)
  - a. Shows field and default control scheme
  - b. Bottom display displays rules of pong
3. Play (2<sup>nd</sup> to bottom img)
  - a. Takes player to top-down display of field
  - b. Player 1 controls bottom field, player 2 controls top field
    - i. Top of screen is taken up by timer and point counter
  - c. Computer player AI will attempt to predict where the ball is going and move accordingly
    - i. May implement feature that allows for toggling of difficulty
  - d. Ball will move faster the longer it is into a round

Schedule:

Week 1- Conceive ideas/Install QT

Week 2- Start coding/play around with QT

Week 3- Code field

Week 4- Code P1 controls and menu/functions

Week 5- Code instructions and settings

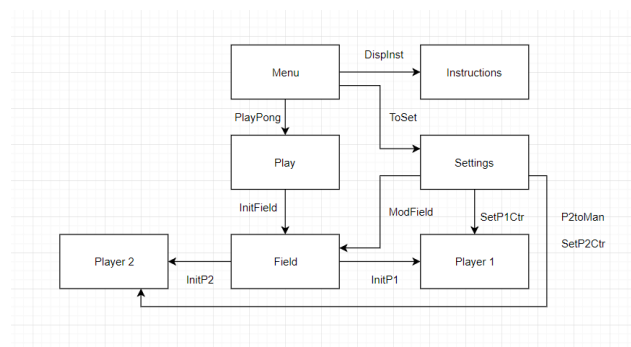
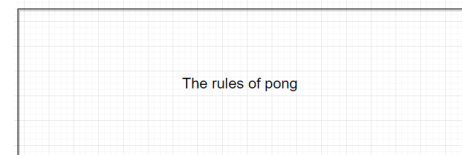
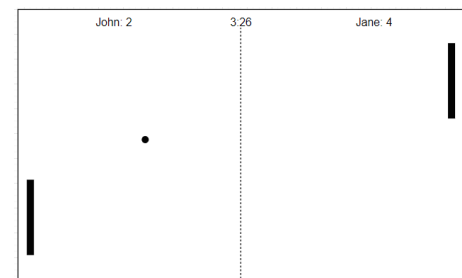
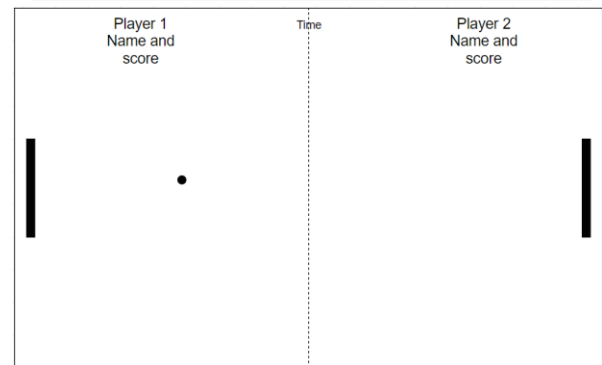
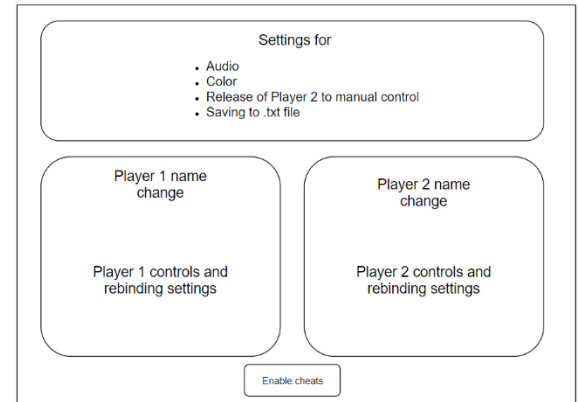
Week 6- Code P2 options and computer-controlled player

Week 7- Finish computer player

Week 8- Testing/documentation preparation

Week 9- Presentation preparation/Final touches/Last-minute testing

Week 10- Presentation



"I pledge that I have neither given nor received unauthorized assistance on this assignment."