

ThePiHost

Created By: Austin Griffith, Joshua Griffiths, Caroline Friedman, Galen Pogoncheff


Project Tracker (Trello): <https://trello.com/b/UeRWSgir/part-1-project-tracker>



VCS (GitHub): <https://github.com/carolinefriedman/ThePiHost>


Contributions:

Caroline's Contributions:


 [carolinefriedman](#) / [ThePiHost](#) Unwatch

[Code](#) [Issues 2](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#)


Branch: [master](#) [ThePiHost / assets /](#) Create new file

 **carolinefriedman** committed on [GitHub](#) update folder with new screenshots, remove unused items


[..](#)

 [fonts](#)


update folder with new screenshots, remove unused items

 [game-screenshots](#)


update folder with new screenshots, remove unused items

 [ThePiHost-download-package.zip](#)


update folder with new screenshots, remove unused items

 [nintendo-64.png](#)


[ThePiHost-download-package.zip](#) / [n](#) screenshots, remove unused items

 [pi logo.png](#)


update folder with new screenshots, remove unused items

 [pong.png](#)

update folder with new screenshots, remove unused items


 [space-invaders.png](#)

update folder with new screenshots, remove unused items

 [carolinefriedman](#) / [ThePiHost](#) Unwatch 1 ★ Unstar

[Code](#) [Issues 2](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#)

Branch: [master](#) [ThePiHost / index.html](#)

 **carolinefriedman** update "games"

1 contributor

80 lines (76 sloc) | 2.83 KB Raw Blame History

```
1 <!doctype html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <title>THE PI HOST</title>
6     <meta name="author" content="Caroline Friedman, Austin Griffith" />
7     <meta name="description" content="CSCI 3308, The Pi Host | Hosting games through Raspberry Pi" />
8
9     <!-- stylesheets -->
10    <link rel="stylesheet" type="text/css" href="css/jquery.fullPage.css" />
11    <link rel="stylesheet" type="text/css" href="css/style.css" />
12
13    <!-- scripts -->
14    <script src="https://use.fontawesome.com/70898ca73d.js"></script>
15    <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.3/jquery.min.js"></script>
16    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.9.1/jquery-ui.min.js"></script>
```

Caroline's Contributions (Continued):

Branch: master ▾


ThePiHost / Website /

Create new file

Upload files


Find file

History

 carolinefriedman committed on GitHub update index


Latest commit 3da42bd an hour ago

..

 assets


master branch maintenance

22 hours ago

 css


master branch maintenance

22 hours ago

 scripts


master branch maintenance

22 hours ago

 .DS_Store

master branch maintenance

22 hours ago

 index.html

update index

an hour ago

Austin's Contributions:

carolinefriedman / ThePiHost	
<> Code	Issues 2
Pull requests 0	Projects 0
Wiki	Pulse
Branch: master ▾	
ThePiHost / Emulator /	
augr4882 adding emulator app and Games	
..	
Nintendo 64	adding emulator app and Games
OpenEmu.app/Contents	adding emulator app and Games
.DS_Store	adding emulator app and Games

Josh's Contributions:

carolinefriedman / ThePiHost Unwatch

<> Code Issues 2 Pull requests 0 Projects 0 Wiki Pulse Graphs

Branch: master ThePiHost / spaceDefenders / src / AlienBomb.java

gogoncheff Finishing touches to spacedefenders

1 contributor

69 lines (56 sloc) | 1.45 KB

```
1 import java.awt.Graphics;
2 import java.awt.Color;
3 import java.awt.Rectangle;
4
5 public class AlienBomb{
6     public int x;
7     public int y;
8     public int bombSpeed = 1;
9     public final int width = 3;
10    public final int height = 6;
11    public boolean inPlay;
12    public boolean isShooting = false;
13    public boolean moveLeft = false;
14    public boolean moveRight = false;
15    public int moveSpeed = 1;
16    Rectangle boundingBox;
17    boolean collision = false;
18
```

carolinefriedman / ThePiHost

<> Code Issues 2 Pull requests 0 Projects 0 Wiki

Branch: master ThePiHost / spaceDefenders / src / Bullets.java


gogoncheff Finishing touches to spacedefenders

1 contributor

75 lines (62 sloc) | 1.8 KB


```
1 import java.awt.Graphics;
2 import java.awt.Color;
3 import java.awt.Rectangle;
4
5 public class Bullets{
6     public int x;
7     public int y;
8     public int bulletSpeed = 12;
9     public final int width = 3;
10    public final int height = 3;
11    public int playerScore = 0;
12    public boolean inPlay;
13    public boolean isShooting = false;
14    public boolean moveLeft = false;
15    public boolean moveRight = false;
16    public int moveSpeed;
17    Rectangle boundingBox;
18    boolean collision = false;
19    public int numShots = 1;
20
21    public Bullets(Shotgun shotgun){
22
```

Josh's Contributions (Continued):

 carolinefriedman / ThePiHost Unwatch

[Code](#) [Issues 2](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#)

Branch: master [ThePiHost](#) / [spaceDefenders](#) / [src](#) / **Shooter.java**

 gpogoncheff Finishing touches to spacedefenders

1 contributor

45 lines (39 sloc) | 1.05 KB

```
1 import java.awt.Graphics;
2 import java.awt.Color;
3 import java.awt.Rectangle;
4
5 public class Shooter{
6     public int x;
7     public int y;
8     public int health = 100;
9     public final int width = 30;
10    public final int height = 10;
11    public int moveSpeed = 3;
12    public boolean moveLeft = false;
13    public boolean moveRight = false;
14
15    Bullets bullet;
16    Rectangle boundingBox;
17
18    //constructor
19    public Shooter(int x, int y){
20        boundingBox = new Rectangle(x, y, width, height);
```

Galen's Contributions:

Branch: master ▾

ThePiHost / tennisDB /

Create new file

Upload files

Find file

History

gpogoncheff javadoc updates

Latest commit 9655a2d 23 hours ago

..

bin/code

Added database acces for tennis highscores

6 days ago

libs

Added database acces for tennis highscores

6 days ago

src

javadoc updates

23 hours ago

.DS_Store

javadoc updates

23 hours ago

```
69 public Tennis(){
70     frame = new JFrame();
71     this.setMinimumSize(gameSize);
72     this.setPreferredSize(gameSize);
73     this.setMaximumSize(gameSize);
74     frame.add(this, BorderLayout.CENTER);
75     frame.pack();
76     frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
77     frame.setVisible(true);
78     frame.setResizable(false);
79     frame.setTitle(TITLE);
80     frame.setLocationRelativeTo(null);
81
82     /** user controlled paddle */
83     player = new PlayerPaddle(10, 60);
84     /** automated paddle */
85     compplayer = new ComputerPaddle(getWidth() - 25, 60);
86     ball = new Ball((getWidth()/2), (getHeight()/2));
87     io = new GameIO(this);
88 }
89
90 /**
91  * Start point of execution for the thread.
92  *
93  * Reason that thread should sleep for a short amount of time:
94  * http://stackoverflow.com/questions/20634600/why-does-a-game-loop-need-to-sleep
95  * Smaller increments of sleep time were tried here, but the movement of figures
96  * on the screen became overly sensitive to keyboard input.
97  */
98 public void run(){
99     while (gameRunning){
100         tick();
101         render();
102         try{
103             Thread.sleep(5);
104         }
105         catch(Exception e){
106             e.printStackTrace();
107         }
108     }
109 }
110 /**
111  * Method used to start executing gameplay instructions.
112  */
113 public synchronized void start(){
114     gameRunning = true;
115     new Thread(this).start();
116 }
117
118 public static synchronized void stop(){
119     System.exit(0);
120 }
```

Galen's Contributions (Continued):

```
184 private void dbUpdate(Graphics graphics) throws SQLException{
185     Connection conn = null;
186     PreparedStatement updateStmt = null;
187     PreparedStatement readStmt = null;
188     DateTimeFormatter dateFormat = DateTimeFormatter.ofPattern("MM/dd/yyyy HH:mm:ss");
189     LocalDateTime dateNow = LocalDateTime.now();
190
191     try{
192         conn = (Connection) DriverManager.getConnection(CONN_STRING, USERNAME, PASSWORD);
193         String updateQuery = "insert into tennisScores (date, score) values(?, ?)";
194         updateStmt = (PreparedStatement) conn.prepareStatement(updateQuery);
195         updateStmt.setString(1, dateFormat.format(dateNow));
196         updateStmt.setInt(2, playerScore);
197         updateStmt.execute();
198         String readQuery = "SELECT date, score FROM tennisScores ORDER BY score DESC LIMIT 3";
199         readStmt = (PreparedStatement) conn.prepareStatement(readQuery);
200         ResultSet highScores = readStmt.executeQuery();
201         int printLocation = HEIGHT/2 + 90;
202         while (highScores.next()){
203             graphics.drawString("Date: " + highScores.getString(1) + ", Score: " + highScores.getString(2), WIDTH/2
204                 printLocation += 30;
205         }
206
207     } catch (SQLException e){
208         System.err.println(e);
209
210     } finally {
211         if (readStmt != null){
212             readStmt.close();
213         }
214         if (updateStmt != null){
215             updateStmt.close();
216         }
217         if (conn != null){
218             conn.close();
219         }
220     }
221 }
```

Branch: master ▾








Create new file

Upload files

Find file

History

[ThePiHost](#) / [spaceDefendersDB](#) / [SpaceDefendersDB](#) / [src](#) / [code](#) /

 gpogoncheff Final javadoc documentatino added for rest of space defenders classes	Latest commit 7cbb804 2 days ago
..	
 Alien.java	Added full javadoc documentation for Alien class 2 days ago
 AlienBomb.java	Final javadoc documentatino added for rest of space defenders classes 2 days ago
 Bullets.java	Final javadoc documentatino added for rest of space defenders classes 2 days ago
 GameIO.java	Final javadoc documentatino added for rest of space defenders classes 2 days ago
 Shooter.java	Final javadoc documentatino added for rest of space defenders classes 2 days ago
 spaceDefender.java	Added full javadoc documentation 2 days ago

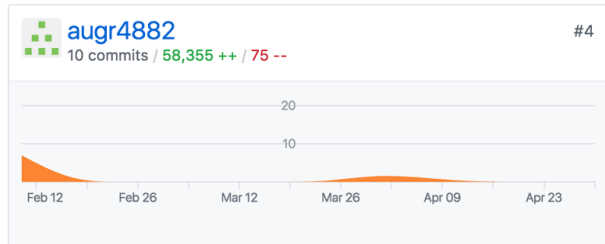
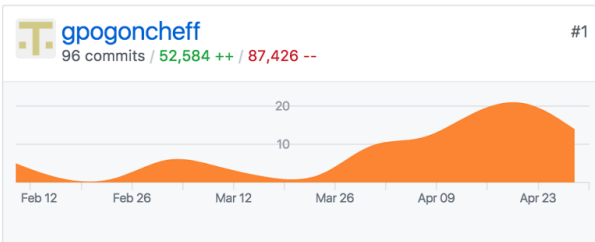
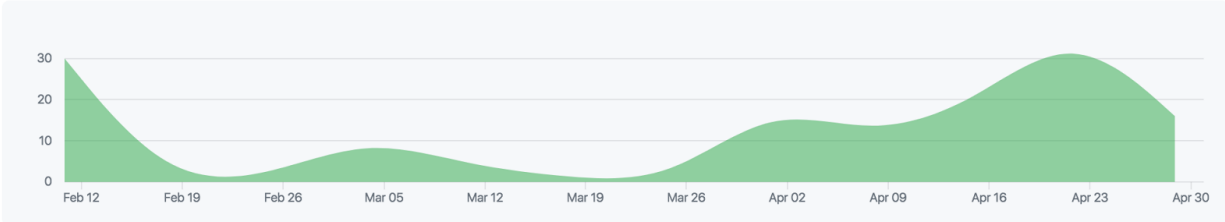
Galen's Contributions (Continued):

```
123     public void tick(){
124         player.tick(this);
125
126         /**
127          * Select a randomly alien to drop a bomb every period specified by timecount
128          */
129         if (timeCount != 0 && timeCount % dropTimer == 0){
130             int x = random.nextInt(3);
131             int y = random.nextInt(10);
132             this.alienMatrix[x][y].bomb.isShooting = true;
133         }
134
135         /**
136          * if all aliens are dead, increase level, reset alien
137          * positions, make aliens mover faster, and make bombs
138          * drop more faster.
139          */
140         boolean allDead = true;
141         for (int i = 0; i < this.alienRows; i++){
142             for (int j = 0; j < this.alienCols; j++){
143                 alienMatrix[i][j].tick(this);
144                 allDead = allDead && alienMatrix[i][j].isDead;
145                 if (alienMatrix[i][j].y >= player.y)
146                     player.health = 0;
147             }
148         }
149
150         if (allDead == true){
151             this.level++;
152             for (int i = 0; i < this.alienRows; i++){
153                 for (int j = 0; j < this.alienCols; j++){
154                     alienMatrix[i][j].isDead = false;
155                     alienMatrix[i][j].x = 20 + (25*j);
156                     alienMatrix[i][j].y = 25 * i;
157                     alienMatrix[i][j].moveSpeed = 2;
158                     alienMatrix[i][j].bomb.bombSpeed++;
```

Branch: master ▾	ThePiHost / AutomatedTesting /	Create new file	Upload files	Find file	History
gpogoncheff master branch maintenance Latest commit 9d4baa2 23 hours ago					
..					
AutomatedTesting_SpaceDefenders	master branch maintenance	23 hours ago			
AutomatedTesting_Tennis	master branch maintenance	23 hours ago			
.DS_Store	master branch maintenance	23 hours ago			
TESTING.md	master branch maintenance	23 hours ago			

Branch: master ▾	ThePiHost / Documentation /	Create new file	Upload files	Find file	History
gpogoncheff Added pdf forms of javadocs Latest commit fbd9a96 23 hours ago					
..					
Documentation_PDFs	Added pdf forms of javadocs	23 hours ago			
Javadoc-SourceHTML	Added pdf forms of javadocs	23 hours ago			
.DS_Store	Added pdf forms of javadocs	23 hours ago			

Everyone:



carolinefriedman / ThePiHost

Code Issues Pull requests Projects Wiki Pulse Graphs

Branch: master ThePiHost / README.md

carolinefriedman update
4 contributors

76 Lines (44 sloc) 6.72 KB

ThePiHost

group members (username, name)

augr4882, Austin Griffith

carolinefriedman, Caroline Friedman

gpogoncheff, Galen Pogoncheff

joshuaGriffiths, Josh Griffiths

Title of project

carolinefriedman / ThePiHost

Code Issues Pull requests Projects Wiki Pulse Graphs

Branch: master ThePiHost / TESTING.md

carolinefriedman Update TESTING.md
4 contributors 1409991 21 days ago

168 Lines (189 sloc) 5.67 KB

Who: Joshua Griffiths, Austin Griffith, Caroline Friedman, Galen Pogoncheff

Title: The Pi Host

Vision: Bringing the retro 90's games back to life for everyone to play anywhere anytime because the best games are free.

Screenshots of Automated Test Results for SpaceDefender game:

<https://cloud.githubusercontent.com/assets/24575285/24729030/a608392e-1a19-11e7-8346-00d8deb15e5.png>

<https://cloud.githubusercontent.com/assets/24575285/24729031/a7756c46-1a19-11e7-8ca4-e7a4ef6766c5.png>

<https://cloud.githubusercontent.com/assets/24575285/24729038/aa0ffad4-1a19-11e7-9d49-a0b6e9e36848.png>

<https://cloud.githubusercontent.com/assets/24575285/24729044/ac85a91c-1a19-11e7-8020-6e2dd8b6b1c4.png>

<https://cloud.githubusercontent.com/assets/24575285/24729050/af6ae9c6-1a19-11e7-990a-befcc7ec7310.png>

Deployment Environment:

There are two ways of accessing our website from which you can download our application:

This first method of accessing our website is at the url that is hosted by the raspberryPi, thepihost.sytes.net . In order to access the website hosted by the raspberryPi, the Pi server must be on and hosting.

The second method of accessing our website is at <http://creative.colorado.edu/~cafr3980/the-pi-host/> . This location offers an identical website as the one hosted by the Pi except that it can be accessed at any time.

Once at our website, simply scroll down the page to the download section and click on “DOWNLOAD” to obtain the application package. The following steps and dependencies must be observed to launch our application:

Dependencies:

- Program must be run on a Mac computer
- User must have Java installed

Download Steps:

1. Place the downloaded archive file in your directory of choice.
2. Untar the file with the command `tar -xvzf ThePiHostApp.tar.gz`
3. Enter uncompressed directory and double click *ThePiHostLauncher.jar*
4. Enjoy

Documentation (Javadoc):

Documentation can be found at:

<https://github.com/carolinefriedman/ThePiHost/tree/master/Documentation>

Contained at this location are both PDF versions of the javadoc documentation (located in Documentation_PDFs) and the HTML source generated by Javadoc (located in Javadoc-SourceHTML).