CS 386: TEAM SHADOWFAX

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THE PROJECT: LIBGDX

- A library for making desktop and mobile games in the Java programming
- Integrates with the Eclipse IDE
- Provides user friendly tools to make complex tasks simple

LIBGDX

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                                               //Begin the drawing
                                               //Items drawn first will appear behind objects drawn after them

→ ⊕ com.me.mygdxgame

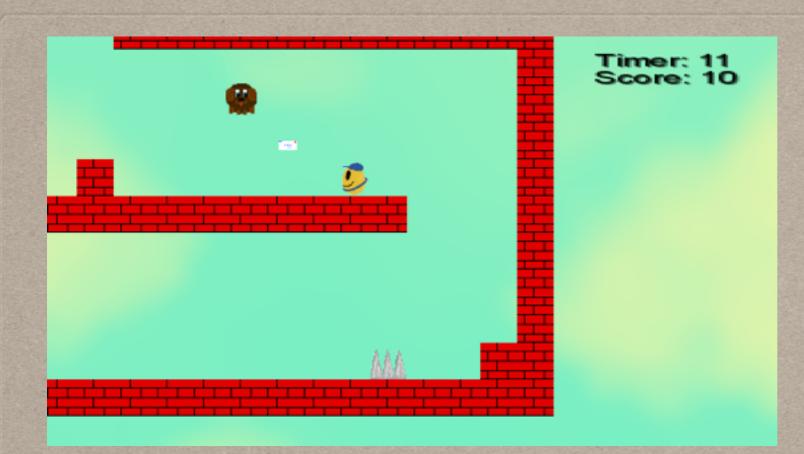
                                              batch.begin();
     Assets.java
                                                   //Draw the background at a starting position of -512x, -512y and tile it horizontally and vertically up

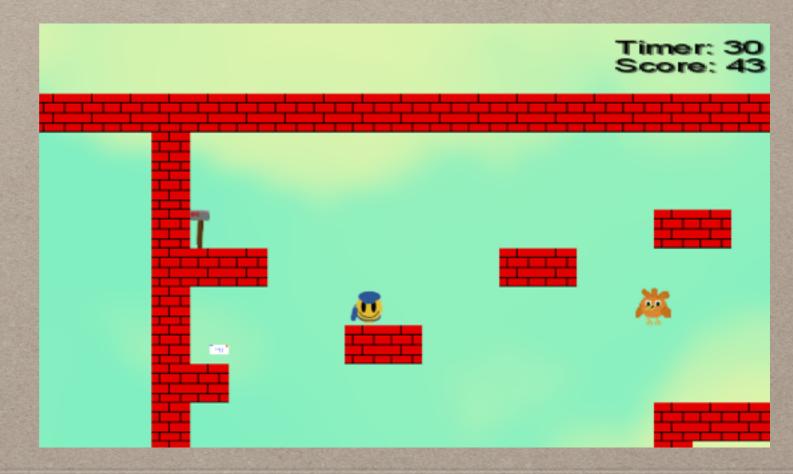
    Collision.java

                                                  batch.draw(background, -512, -512, background.getWidth() * tileCount, background.getHeight() * tileCount
     CountDownTimer.java
                                                  //Loop through all of the wall objects and draw each on to the screen
     Draw.java
                                                  for (int i = 0; i < wall.size; i++)
                                                      batch.draw(wall.get(i).IMAGE, wall.get(i).getX(), wall.get(i).getY());
     Enemy.java
                                                  //Loop through all of the mail objects and draw each on to the screen
     ▶ J GameOverScreen.java
                                                  for (int i = 0; i < mail.size; i++)
     J GameScreen.java
                                                      batch.draw(mail.get(i).IMAGE, mail.get(i).getX(), mail.get(i).getY());
     Level.java
                                                  //Loop through all of the enemy objects and draw each on to the screen
     Mail.java
                                                  for (int i = 0; i < enemy.size; i++)
                                                      batch.draw(enemy.get(i).IMAGE, enemy.get(i).getX(), enemy.get(i).getY());
     Mailbox.java
                                                  //Draw the player to the screen
     MenuScreen.java
                                                  batch.draw(player.IMAGE, player.getX(), player.getY());
     Platformer.java
                                                  //Draw the ending level mailbox to the screen
     D Player.java
                                                  batch.draw(level.getMailbox().IMAGE, level.getMailbox().getX(), level.getMailbox().getY());
     Score.java
                                                  //Draw the score in the upper right hand corner of the game screen below the timer
                                                  scoreText.draw(batch, "Score: " + level.getScore().getScore(), camera.position.x + 320, camera.position
     Mall.java
                                                  //Draw the timer in the upper right hand corner of the game screen above the score
    Platformer.gwt.xml
                                                  timerText.draw(batch, "Timer: " + level.getCountDownTimer().getTime(), camera.position.x + 320, camera.
JRE System Library [JavaSE-1.7]
                                               //End the drawing
Referenced Libraries
                                               batch.end();
libs
```

CONTRIBUTION

- We were unable to find a suitable enhancement to add to the project's code base
- Decided to ask the development community for suggestions
- Asked to develop a demo
- Built a game using the LibGDX library to act as a demo project for new users





CHALLENGES

- Biggest challenge was finding something to work on
- Spent first two weeks trying to identify a contribution
- Once we figured out what to work on, implementation was easy and straightforward

LESSONS LEARNED

- We learned that walking into a developed project with no previous evolvement is incredibly difficult
- Documentation is great for learning a system, but working with it is the only way to really understand it