



# Team 8



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# Overview

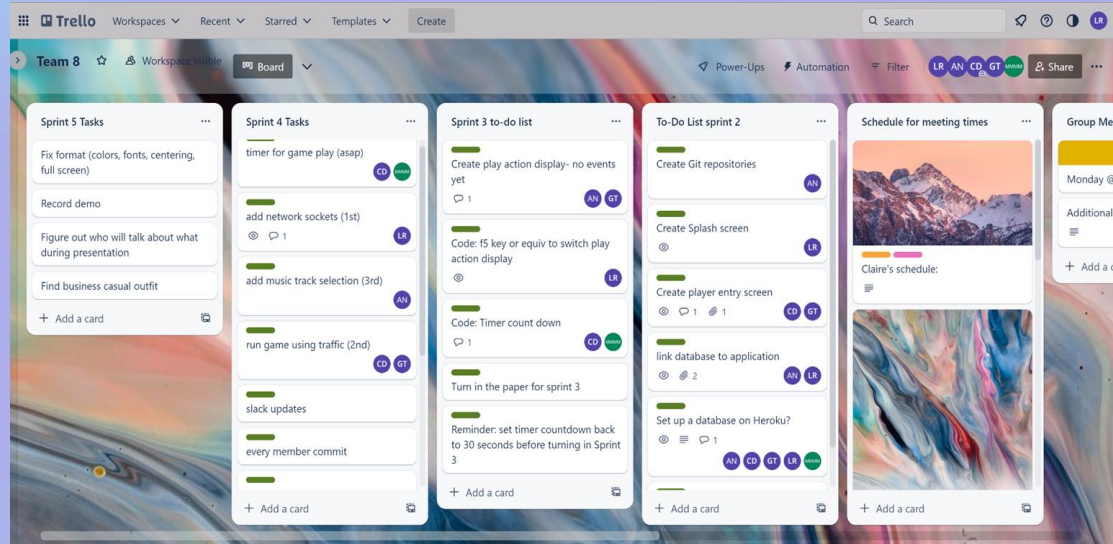
- Java
  - Support, team experience
- Architecture
  - Class per frame
- Heroku
  - Supports Java
  - Used more widely in industry



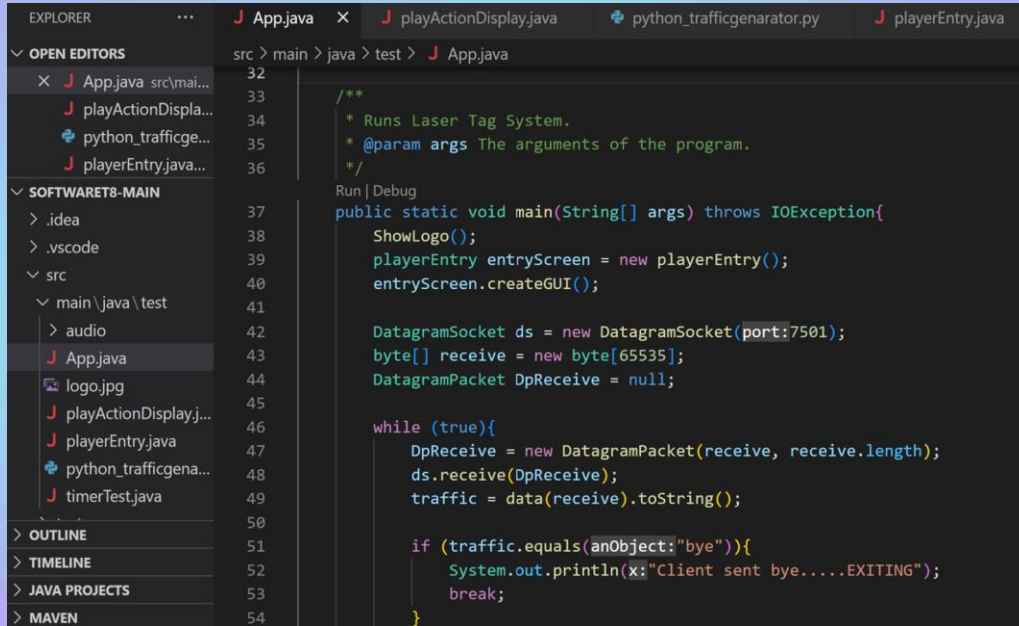
# Collaboration

## Communication

- Weekly meeting
- Snapchat group
- Trello
- Slack
- Texts and calls



# Software



The screenshot shows an IDE with a project named 'App.java'. The Explorer panel on the left shows the project structure, including a 'main' directory with a 'java' subdirectory containing 'App.java'. The code editor displays the following Java code:

```
/**
 * Runs Laser Tag System.
 * @param args The arguments of the program.
 */
public static void main(String[] args) throws IOException{
    ShowLogo();
    playerEntry entryScreen = new playerEntry();
    entryScreen.createGUI();

    DatagramSocket ds = new DatagramSocket(port:7501);
    byte[] receive = new byte[65535];
    DatagramPacket DpReceive = null;

    while (true){
        DpReceive = new DatagramPacket(receive, receive.length);
        ds.receive(DpReceive);
        traffic = data(receive).toString();

        if (traffic.equals(anObject:"bye")){
            System.out.println(x:"Client sent bye....EXITING");
            break;
        }
    }
}
```

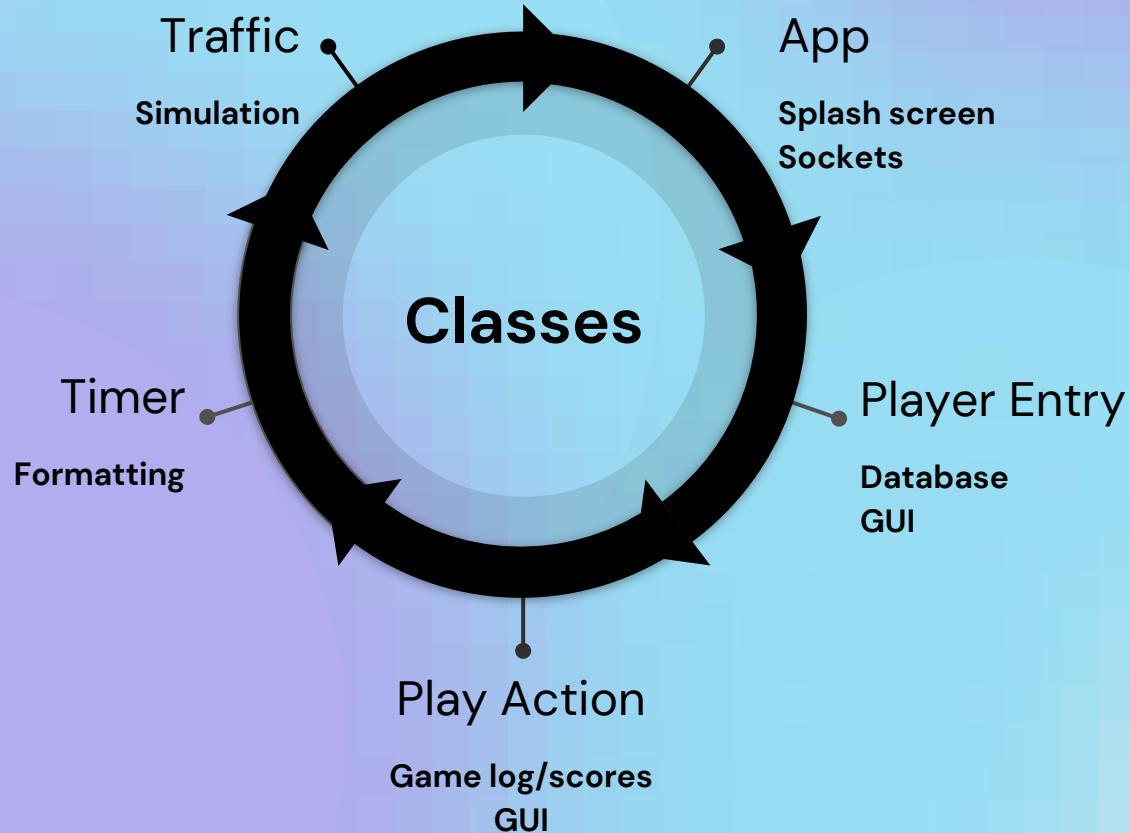
## Code

- Github
- VSCode
- Heroku

Texts and Calls



# Approach



# Approach

## Layout

Gridbag, JPanels

Frame allocation

Tables

Game Log

Buttons

## Audio

Randomization

Track05

Format

## ID/Scoring

Casting

Winning Team

Winning Player

Max functions

Concatenation

Symbol Removal



# Results



# Results

Team 1		Team 2	
Code Name	Score	Code Name	Score
Opus	360	BigGuy	460
Magnum	400	BiggerGuy*	620
Total Score		Total Score*	
760		1080	
Current Game Action			
Action			
87 hit 1			
90 hit 1			
2 hit 87			
1 hit 87			
90 hit 2			
90 hit 2			
1 hit 90			
2 hit 87			
87 hit 1			
2 hit 90			
90 hit 1			
90 hit 1			
1 hit 87			
90 hit 1			
87 hit 1			
87 hit 2			
87 hit 2			
90 hit 2			
90 hit 2			
Time Remaining:			
Game Over!			





# Takeaways

## Design

- Software requirements
- Change tolerance
- Agile development

## Testing

- Error checking
- Unit tests
- Debugging

## Collaboration

- Version control
- Customer clarification
- Teamwork





# Honorable Mentions

**We couldn't do it without:**

Our wonderful TA's, Arpan Poudel and Jozef Dusenka

Our Customer, Mr. Strother

Stack Overflow

Collaborative classmates

