

|               |                |                |              |                |               |
|---------------|----------------|----------------|--------------|----------------|---------------|
| Sun Bin       | Shang Yang     | King Zhen      | King Anxi    | Duke Xiao      | King Xi       |
| Li Mu         | Marquess Wei   | King Ai        | Zhong Wuyan  | Han Fei        | Lady Zhao     |
| Prince Dan    | King Xian      | King Wuling    | Lian Po      | Marquess Ai    | Lord Xinling  |
| Queen Junwang | King Zhaoxiang | Wu Qi          | Bai Qi       | Lady Mi        | King Hui      |
| Lord Pingyuan | Zhang Yi       | Lord Mengchang | King You     | Fu Chu         | Lord Chunshen |
| King Kaolie   | King Jian      | King Xuan      | King Huanhui | King Xiaocheng | King An       |

# Warring States Game Assignment 2

Ruiyi Sun *U6233314*

Shunyu Yao *U6252997*

Akshat Singhal *U6322388*

# Summary

- Basic outline
- Problems
- Design Approach
- Working

# Problems

## 1. Task 8 (Timeout)

- Test timed out after 2000ms



```
GetFlagsTest (comp1110.ass2) 2s 581ms
  testTie 266ms
  testDoubleTie 296ms
  testComprehensive 2s 19ms

"C:\Program Files\Java\jdk1.8.0_161\bin\java" ...
org.junit.runners.model.TestTimedOutException: test timed out after 2000 milliseconds

at comp1110.ass2.WarringStatesGame.updatePlacement(WarringStatesGame.java:500)
at comp1110.ass2.WarringStatesGame.WinCard(WarringStatesGame.java:544)
at comp1110.ass2.WarringStatesGame.getSupporters(WarringStatesGame.java:573)
at comp1110.ass2.WarringStatesGame.getFlags(WarringStatesGame.java:625)
at comp1110.ass2.GetFlagsTest.checkFlags(GetFlagsTest.java:56)
at comp1110.ass2.GetFlagsTest.testComprehensive(GetFlagsTest.java:32) <10 internal calls>
at java.util.concurrent.FutureTask.run(FutureTask.java:266)
```

## 2. Viewer (Task 4)

- Changing the colour of the text to white



# Design Approach

- Designing a basic game
- Managing the tasks

# Screenshots of the GAME

|               |                |                |              |                |               |
|---------------|----------------|----------------|--------------|----------------|---------------|
| Sun Bin       | Shang Yang     | King Zhen      | King Anxi    | Duke Xiao      | King Xi       |
| Li Mu         | Marquess Wei   | King Ai        | Zhong Wuyan  | Han Fei        | Lady Zhao     |
| Prince Dan    | King Xian      | King Wuling    | Lian Po      | Marquess Ai    | Lord Xinling  |
| Queen Junwang | King Zhaoxiang | Wu Qi          | Bai Qi       | Lady Mi        | King Hui      |
| Lord Pingyuan | Zhang Yi       | Lord Mengchang | King You     | Fu Chu         | Lord Chunshen |
| King Kaolie   | King Jian      | King Xuan      | King Huanhui | King Xiaocheng | King An       |



|               |                |               |              |                |              |
|---------------|----------------|---------------|--------------|----------------|--------------|
| Sun Bin       | Shang Yang     | King Zhen     | King Anxi    | Duke Xiao      | King Xi      |
| Li Mu         | Marquess Wei   | King Ai       | Zhong Wuyan  | Han Fei        | Lady Zhao    |
| Prince Dan    | King Xian      | King Wuling   | Lian Po      | Marquess Ai    | Lord Xinling |
| Queen Junwang | King Zhaoxiang | Wu Qi         | Bai Qi       | Lady Mi        | King Hui     |
| Lord Pingyuan |                | Lord Menchang |              |                |              |
| King Kaolie   | King Jian      | King Xuan     | King Huanhui | King Xiaocheng | King An      |

# Interesting Aspects

- Simple working of the game
- Making the kingdoms without using the assets



# Questions?