

COMP 504: Graduate Object-Oriented Programming and Design

Lecture 21: Web Sockets for Chat App cont.

Mack Joyner (mjoyner@rice.edu)

<https://www.clear.rice.edu/comp504>



Announcements & Reminders

- In-Class Ex #7 due Wed. Oct. 14th at 9:45am
- Quiz #3 (Command, Visitor, Strategy) due Wed. Oct. 14th at 11:59pm
- Hw #3 UI Peer Review due Thu. Oct. 15th at 11:59pm
- Hw #4 due Wed. Oct. 21st at 11:59pm



Teams

- **Team A**

- Yixuan Bian (team lead)
- Jianan Ding (tech lead)
- Leyi Du (doc lead)
- George Chan (dev)
- Siting Chen (dev)
- Xi Cheng (dev)

- **Team B**

- Al Hirani (team lead)
- ZhanHua Huang (tech lead)
- Hongyu Ji (doc lead)
- Lars Chiang (dev)
- Zihui Deng (dev)
- Yolanda Du (dev)

- **Team C**

- Baekjun Kim (team lead)
- Yuyang Luo (tech lead)
- Amir Safaei (doc lead)
- Jian Fang (dev)
- Shunchao Gao (dev)
- Songyue Han (dev)



Teams

- **Team D**

- Alex Liapis (team lead)
- Yang Mi (tech lead)
- Dingyu Wang (doc lead)
- Minyu Jiang (dev)
- Dingjia Li (dev)
- Jiamin Liu (dev)

- **Team E**

- Yizhi Hu (team lead)
- Christine Tharian (tech lead)
- Tianhao Wang (doc lead)
- Xuan Liu (dev)
- Yihai Long (dev)
- Mingke Ma (dev)

- **Team F**

- Yuting Chen (team lead)
- Bangju Wang (tech lead)
- Donghui Zhang (doc lead)
- Tao Mao (dev)
- Xinqi Ou (dev)
- Liuhao Ouyang (dev)



Teams

- **Team G**

- Max Ding (team lead)
- Ruitao Xu (tech lead)
- Xurui Zhang (doc lead)
- Bibin Sebastian (dev)
- Leyi Qiang (dev)
- Guoming Sun (dev)

- **Team H**

- Vivek Goddu (team lead)
- Bowen Yang (tech lead)
- Junjie Zhao (doc lead)
- Kuangyuan Sun (dev)
- Haoyu Wang (dev)
- Yixin Wu (dev)

- **Team I**

- Xiao Xin (team lead)
- Zhijian Yao (tech lead)
- Weiwei Zhou (doc lead)
- Xinru Xiao (dev)
- Xuyang Xiao (dev)
- Wenlong Yan (dev)



Teams

- **Team J**

- Siyu Xie (team lead)
- He Wang (tech lead)
- Huijia Zhu (doc lead)
- Pengyu Zhang (dev)
- Su Zhang (dev)
- Suyue Zhang (dev)

- **Team K**

- Chaoran Yang (team lead)
- Zequn Jiang (tech lead)
- Fangzheng Zhou (doc lead)
- Yi Zhou (dev)
- Ningning Zhu (dev)



Deploy to Heroku

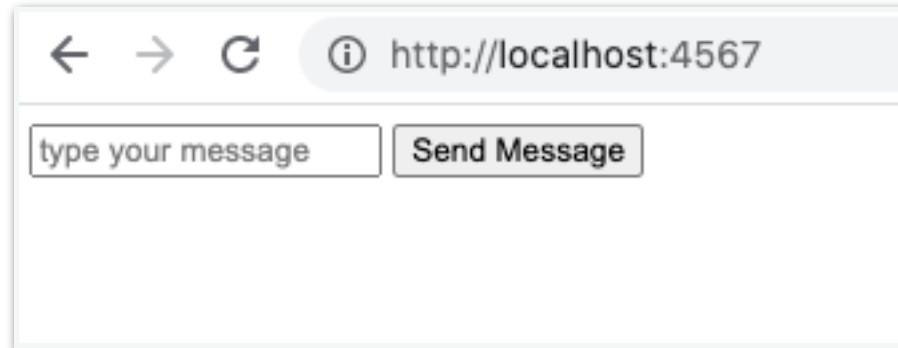
- Heroku apps are deployed using secure http:

<https://netid-ex7-chatapp.herokuapp.com>

- Web sockets need a secure protocol when using secure http (https) protocol
 - wss instead of ws for https
 - ws for http (localhost)



Chat App Web Sockets



In-Class Exercise 7 Solution

What was your solution for in-class exercise 7?



In-Class Exercise 7 Efficient Solution

Could your solution for in-class exercise 7 be made more efficient?

