

# T-Mobile®

## TechX Capstone Project

### ACKNOWLEDGEMENTS

Advisor: Marc Dupuis

Sponsor: T-Mobile

Teams: Delta & T-Mobile Tuesdays

### COURSES

#### CSS 490: Machine Learning

- Researched Ingram natural language processing

#### CSS 490: Cloud Computing

- Used APIs
- Experience with REST

#### CSS 360: Software Engineering

- A/B testing (Firebase)
- Agile development
- Version control

### T-Mobile TechX Internship

#### Delta Team

- High Level Solution Diagrams Architecture
- Program Manager role
- Technical Advising; web development

#### T-Mobile Tuesdays iOS Application Team

- Software Development Engineer
- Updated and implemented app features

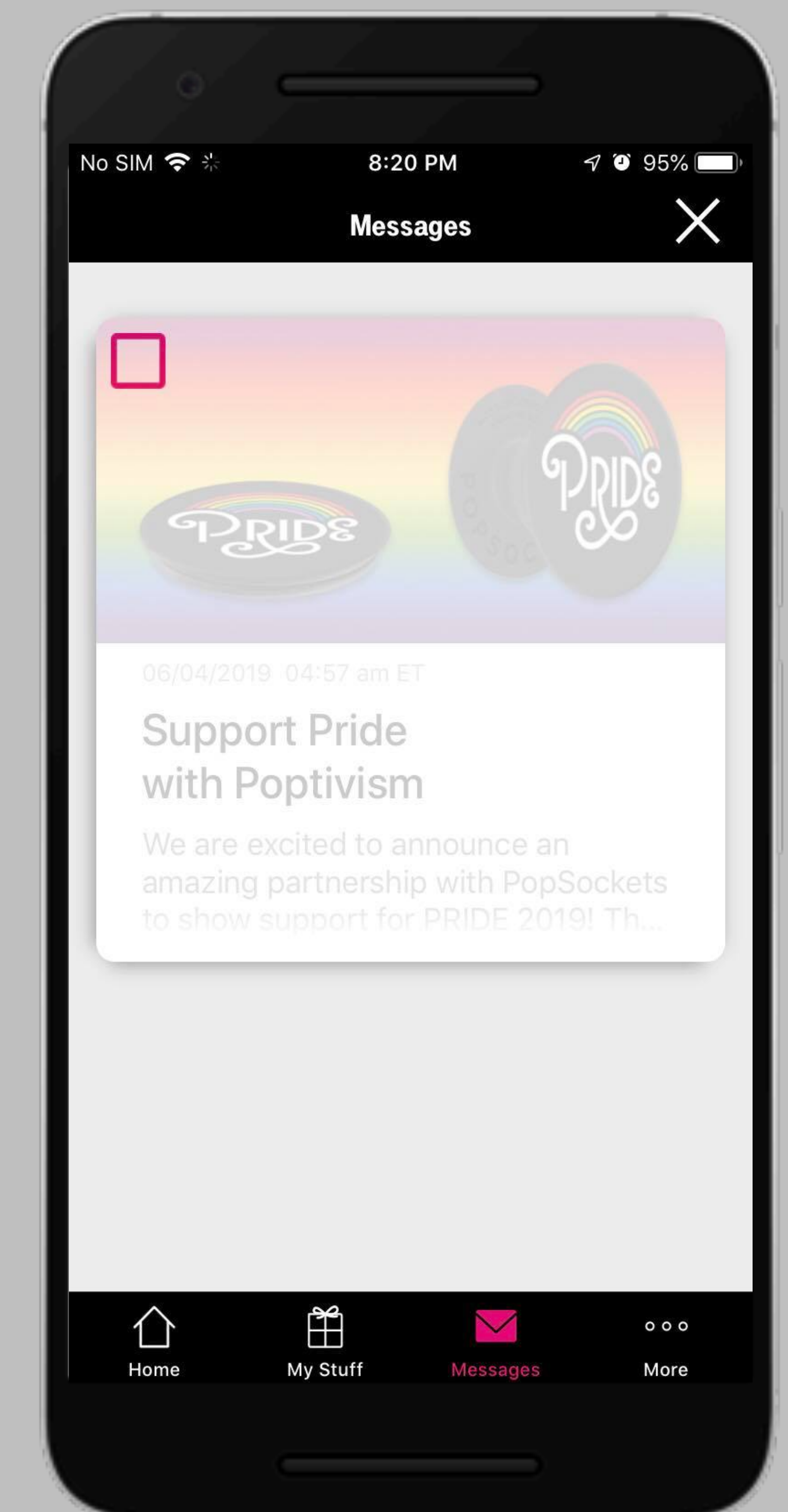
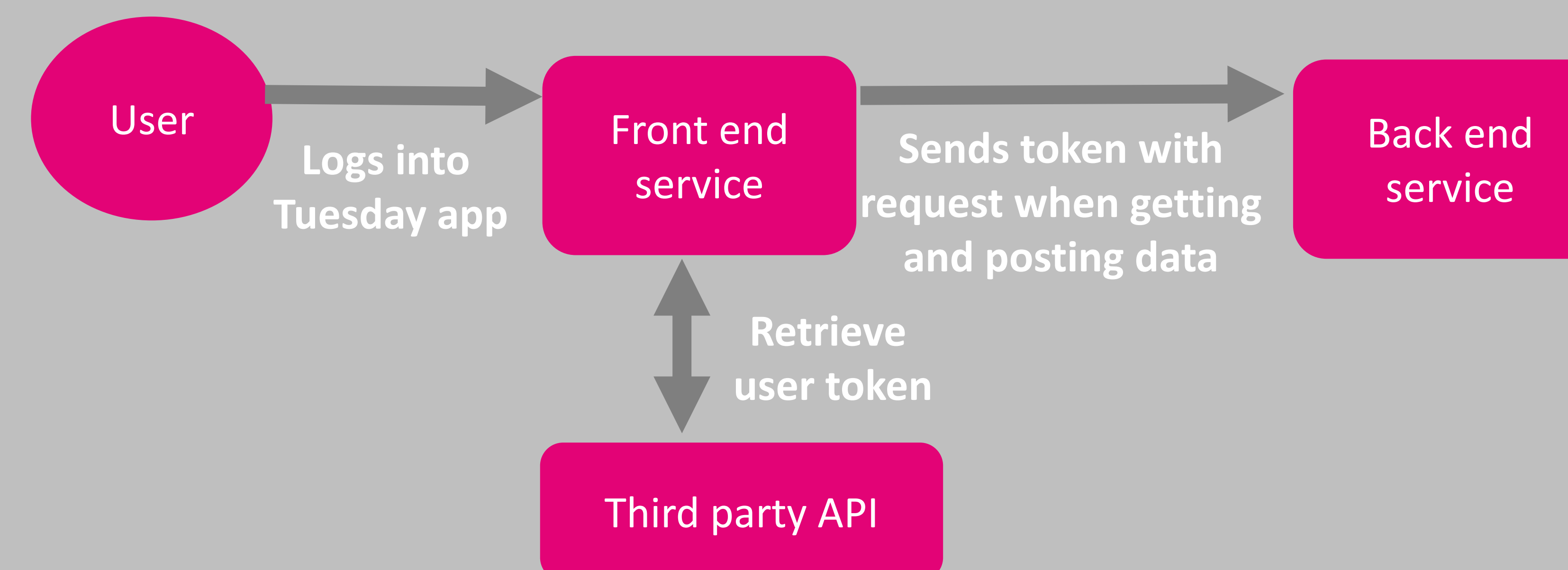
### CONCLUSION

- Contributed to the iOS application
- Increased skill level with unit tests
- On boarded with technical documentation
- Ramped up quickly to learn new tech stacks
- Learned various technologies and frameworks
- Applied theoretical class learnings in real world setting
- Learned industry standard software development
  - Gained experience with Project Management and Software Engineering roles

### PROJECTS

- Integrated reactive UI component into internal site
- Updated Tuesdays app UI (buttons, text, etc.)
- Improved user experience for different scenarios
- Integration with third party API to authenticate user
- Worked with machine learning algorithms for text analysis

#### AUTHENTICATION OVERVIEW DIAGRAM



### Tools



### Skills

Agile Development  
Swift, jQuery, Python  
Integrating third party APIs  
Documentation

Student: Misha Ward  
Advisor: Marc Dupuis  
Manager: Prabha Chinsawarmy

Prepared June 12<sup>th</sup>, 2019

**T-MOBILE  
TUESDAYS**  
FREE STUFF. EVERY WEEK.