Connected Devices Final Project
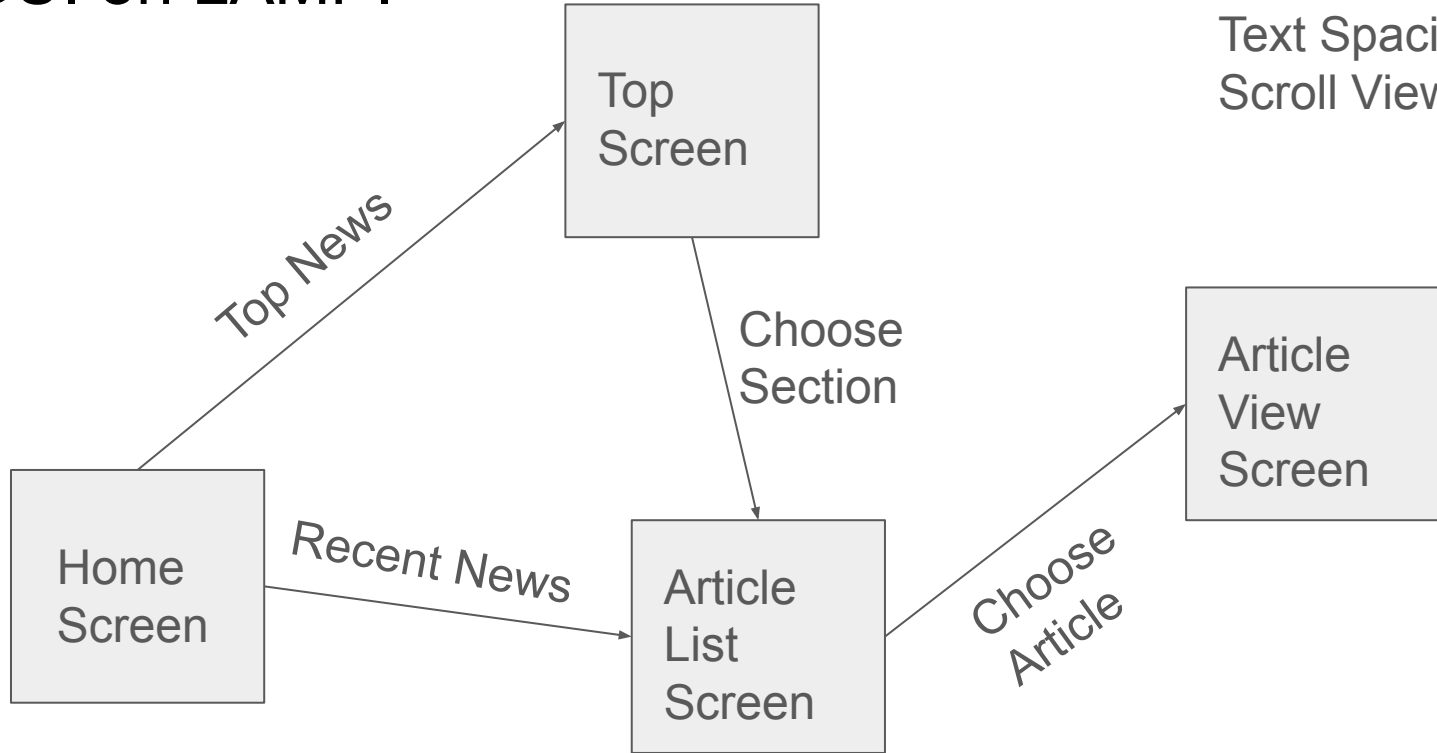
LAMPI NEWS

Kivy GUI on LAMPI

Some challenges:
Screen manager
Text Spacing
Scroll View

Top
Screen

Top News

Choose
Section

Home
Screen

Recent News

Article
List
Screen

Choose
Article

Article
View
Screen

Kivy wasn't
actually bad

Article View Screen

- Title of the Article
- Type of Media (Article/Podcast/Magazine/Interactive…)
- Abstract of Media
- Add to Reading List Button

NYT Developer API

- **Times Top Stories API**
  - Top Stories in each section
  - arts, automobiles, books/review, business, fashion, food, health, home, insider, magazine, movies, nyregion, obituaries, opinion, politics, realestate, science, sports, sunday review, technology, theater, t-magazine, travel, upshot, us, world
- **Times Wire API**
  - Real-time feed of article publications

Reading List Website

- Hosted on EC2
- Django/nginx/uwsgi
- LAMPI MQTT -> EC2 Daemon -> Websocket
- View current reading list (no duplicates, sqlite db)
- Edit List (delete)
- Dynamic add/remove
- Hyperlink to articles

Future Work

- Add more news APIs
- Secure ports!!!
- Login feature
- Analytics to track stories read
- Include light for super trendy news (combined with google trends)
- Pretty UI

Demo

Someone use the GUI