



AI-VVO sdmay22-36 Weekly Update #3

10/11/2021 - 10/17/2021



VM Assignment

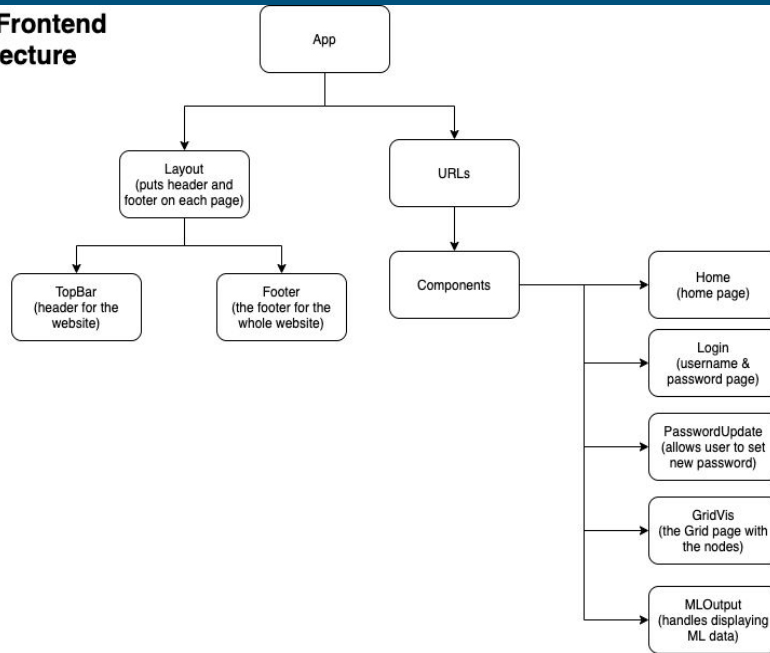
- 1) Jaden Alamsya
- 2) Demetrius Christou
- 3) Evan Dinnon
- 4) William Dulaney
- 5) Rachel Owens
- 6) Megan Phinney
- 7) Derrick Vang

Front-End (This Week)

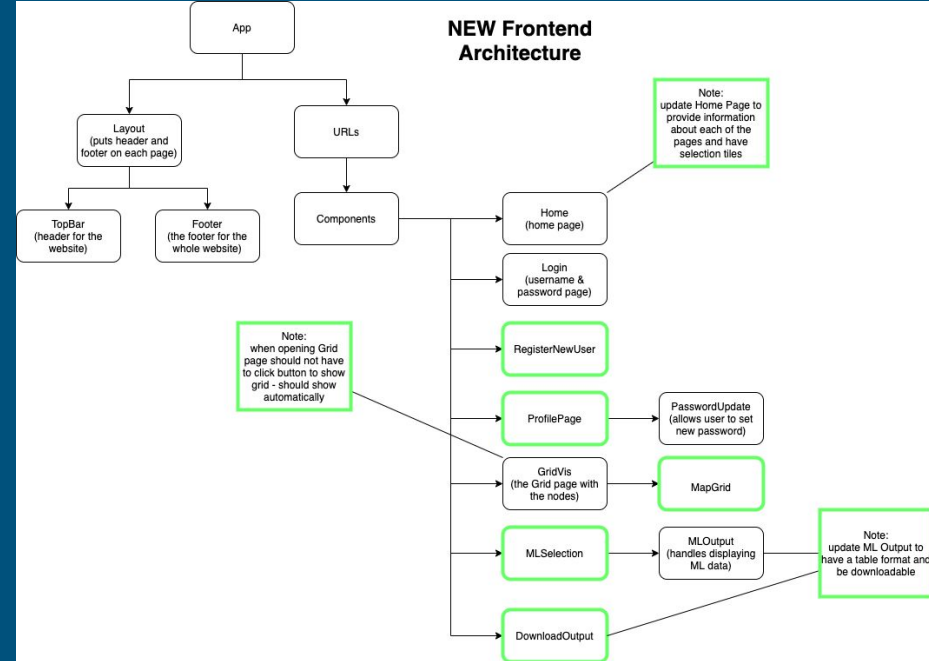
- Cloned git repo into VMs
- Got started on more ReactJS tutorials
- Tried to understand more of previous teams frontend code

Front End High Level Designs

Current Frontend Architecture



NEW Frontend Architecture



Front-End (Next Week)

- Continue research on ReactJS
- Do more ReactJS tutorials
- Get project working on the VMs
- Start to plan out front-end work

Back-End (This Week)

- Continued to worked through advanced Django
- Practiced more with Python
- Get connected to the Virtual Machines

Back-End (Next Week)

- Do a PostgreSQL tutorial
- Do more Python tutorials
- Deeply plan out work for future backend work
- Try to get the project working on the VM

Machine Learning (This Week)

- Watched Lex Fridman talk on Deep Reinforcement Learning
- Watched PyTorch tutorials by the developer behind PyTorch
- Got logged onto the Power Cyber Testbed into our individual virtual machines
- Clones into Git folders on virtual machines

https://www.youtube.com/watch?v=MrIFte_rOh0&ab_channel=LexFridman

Machine Learning (Next Week)

- Continue to watch PyTorch tutorials by the developer behind PyTorch
- Research Q function approximation with deep convolutional neural networks further
- Plan out datasets for training, testing, and development
- Run application on virtual machines to demonstrate product's functionality