



# SCRUM 2

TEAM  VisuSpeak

**Sprint Cycle:**

**October 24, 2023 - November 13, 2023**

**Team Members:**

- Archisha Bhattacharya
- Brooklyn Coulson
- Jasmeet Singh

# Activities During the Past week

## PROJECT HOUSEKEEPING

- Continued regular meetings with mentor
- Gained access to additional resources for model training
- Met with sponsor to solidify project expectations & level of participation
- Reached out to U of R Accessibility Centre for access to user base (including testers)



## PROJECT DEVELOPMENT

- Setup database and deployed front-end and back-end to server
- Continued to train model on bigger datasets

# Project Status: **Yellow**

## WHY ARE WE IN THE **YELLOW** STATUS

- We've been having unforeseen difficulties training our model
- The current model we have is not very accurate

## PLANNED ACTIONS TO GO BACK TO **GREEN** STATUS

- Trying to use the resource provided by our mentor to train our model
- Securing a dedicated computer on the University network to try to train the model without connection issues



# Team Contribution



**Archi**

- **API Integration:** Established required APIs for front-end and MySQL database interaction to retrieve and store data
- **Local Testing:** Tested and debugged front-end to back-end connectivity in localhost.
- **Server Setup:** Configured production server using LEMP stack and installed required dependencies.
- **Deployment:** Deployed React App and MySQL database from testing to production and verified functional performance post-deployment.
- **Authentication:** Developed user authentication system for secure sign-in and login capabilities.
- **Model Training:** Collaborated on training model with the WLASL datasets

# Team Contribution



**Brooklyn**

- **MVP Story Mapping:** Developed MVP Story Map to outline product vision and scope
- **GitHub:** Created an MVP Board on GitHub for task tracking
- **Reporting & Documentation:**
  - Assembled the User Story Diagram for feature visualization
  - Created State Diagrams for user story flows
  - Developed Class Diagram for system architecture
  - Compiled Progress Status Report
- **Updated GitHub**
  - Uploaded the new documents
  - Updated the Kanban Board and Gantt Chart

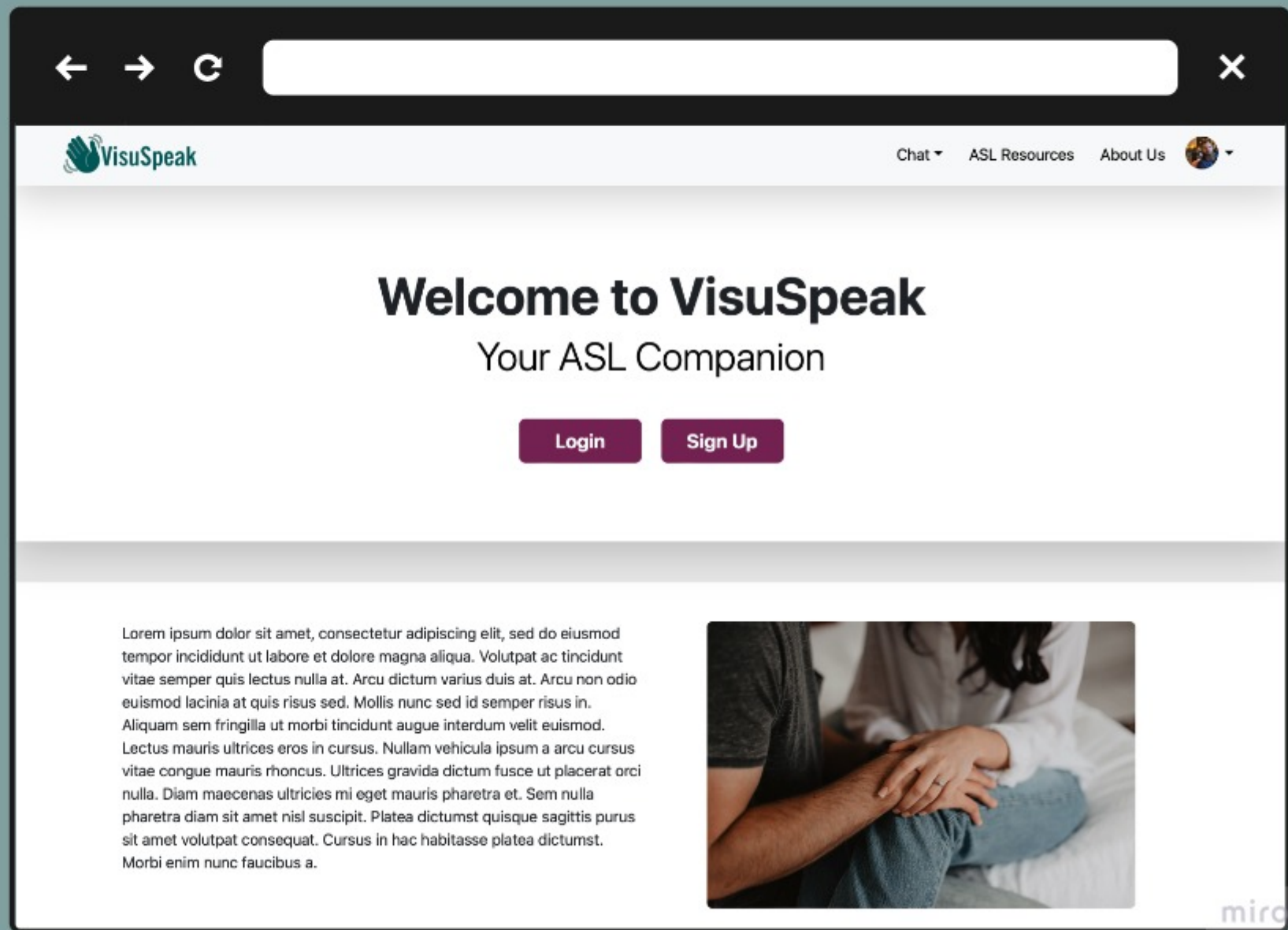


# Team Contribution



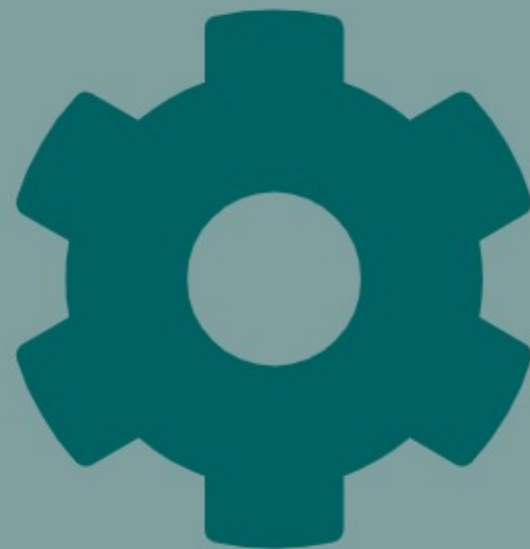
- **API Integration:** Established required APIs for front-end and MySQL database interaction to retrieve and store data
- **Model Training:** Collaborated on training model with the WLASL datasets
- **Hi-Fidelity Prototypes:** Updated the prototypes and logo to comply with AAA accessibility standards
- **Authentication:** Collaborated on user authentication system for secure sign-in and login capabilities.
- **Communications:** Reached out to U of R Accessibility Centre for access to user base and expert opinion (including testers)

# Demo of Our Progress



# Project Issues

- We've been having unforeseen difficulties training our model
  - the computing power required for the dataset
  - staying connected to the network while training
- Haven't secured any meetings with the user base for testing and consultations





# Activities: Planned For Next Week



- Team will continue to work towards completion of MVP 1
  - Train the model to provide accurate ASL translation to English
  - Deploy the trained model to front-end

# Team Reflections

## TEAM PROGRESS:

- We feel we are in the Yellow, but we are confident we can get back on track

## TEAM PROGRESS SO FAR:

- Setup database and deployed front-end and back-end to server
- Continued to train model on bigger datasets

## BARRIERS:

- Staying connected to the network during model training

## TEAM PROGRESS:

- Need to acquire a dedicated computer on campus for training
- Need to get in touch with our user base

## QUESTIONS:

- We want more clarification on the expectations on GitHub usage and how much code should we make publicly available

# Thank You

Any Questions?