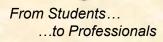
MICHIGAN STATE UNIVERSITY **Beta Presentation** Machine Learning for Numeracy Training The Capstone Experience Team Anthropocene Institute Xukai Fang **Ricky Horan Daniel Passos Christian Vaughan** Matthew McDerment Phumapiwat Chanyutthagorn

Department of Computer Science and Engineering Michigan State University

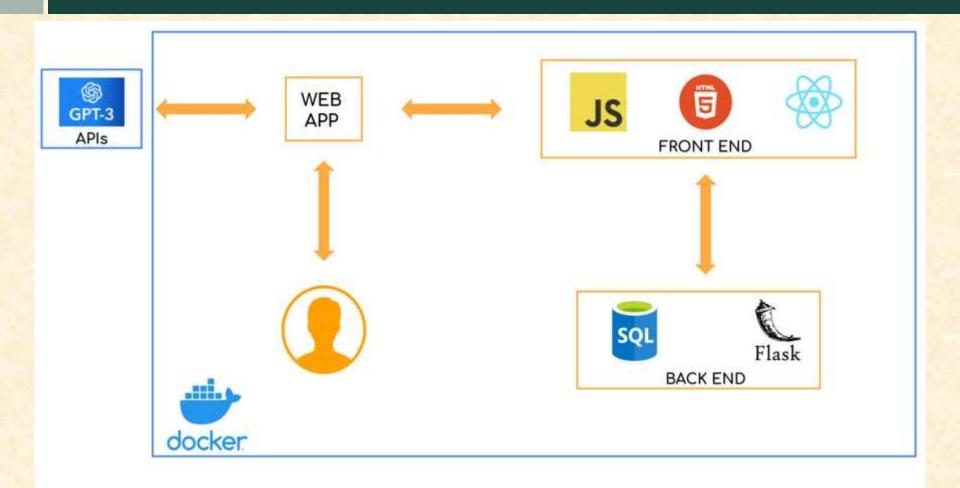
Spring 2023



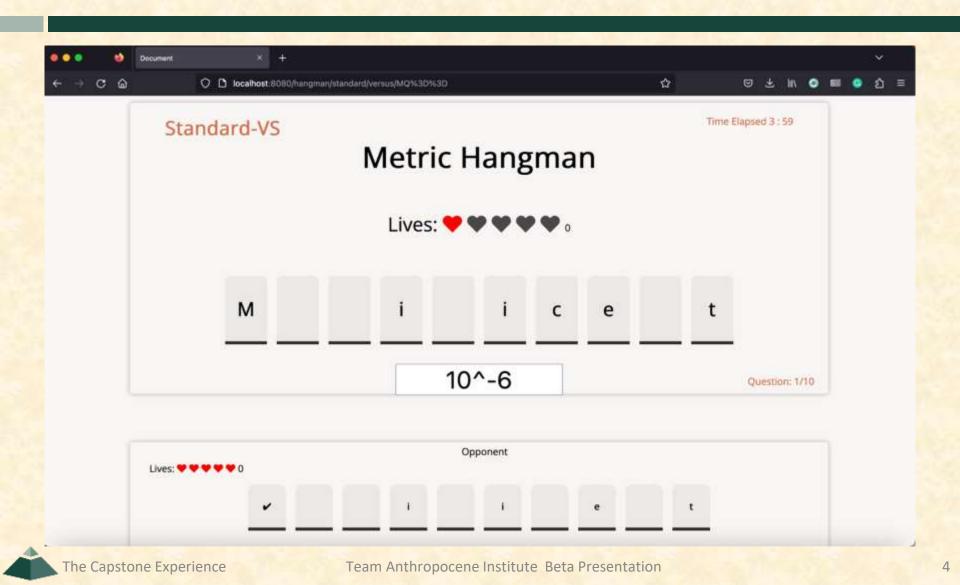
Project Overview

- Many people lack numeracy skills
- Guided learning to provide users a basic foundation
- Engaging games to reinforce learning and provide a fun experience
- Help create a better informed public

System Architecture



Hangman Versus

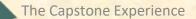


Estimates

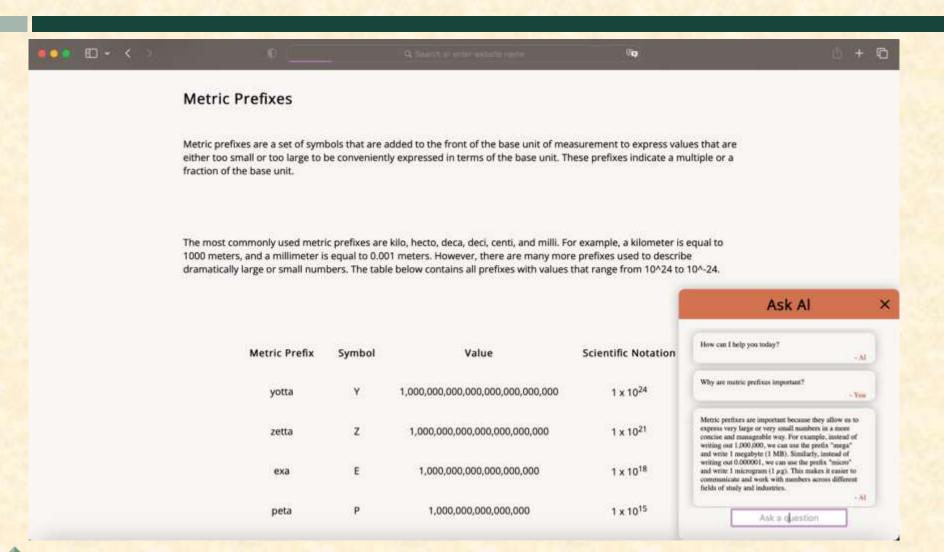
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Learn Home

🖻 🕸 🥝 🗅 🛸 🗖 🥥 -> C O http://127.0.0.1:8080/learn Learn Numeracy Welcome bob! The world of numbers awaits! **Big Numbers** 3/5 **Significant Figures** Exponential Growth Of Word Form Conversions < > Scientific Notation 0/2 . Converting To And From Intro To Scientific Notation Scientific Notation



Metric Prefix Module



What's left to do?

- Features
- Stretch Goals
 - Expand on user statistics
 - Versus mode for Estimates
- Other Tasks
 - Refine the UI
 - More instructions for games

Questions?



Team Anthropocene Institute Beta Presentation