AIChatbotWebsite

Tyler Buxton, Aaron Gomez, Jared Melini, Patrick Johnson

CS4624 - Multimedia, Hypertext, and Information Access, Dr. Edward A. Fox

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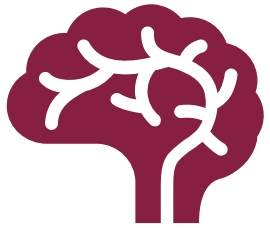
Outline

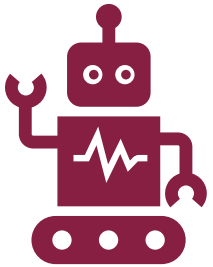
1. Introduction
2. Models/Figures
3. Final Pages
4. General Information
5. Demo
6. Q&A

INTRODUCTION

Background



- Episodic Future Thinking (EFT)



- AI Assisted Healthcare

- Scalability and Cost-Effectiveness

Problem

- No User Interface
- No Usability Support
- No Data Collection

Motivation

- Create Secure Website

- Guide User Through Process

- Advance Research in AI and Health

Client

- Sareh Ahmadi, Ph.D. Student, Department of CS
- Dr. Edward Fox, Advisor
- Field of Artificial Intelligence

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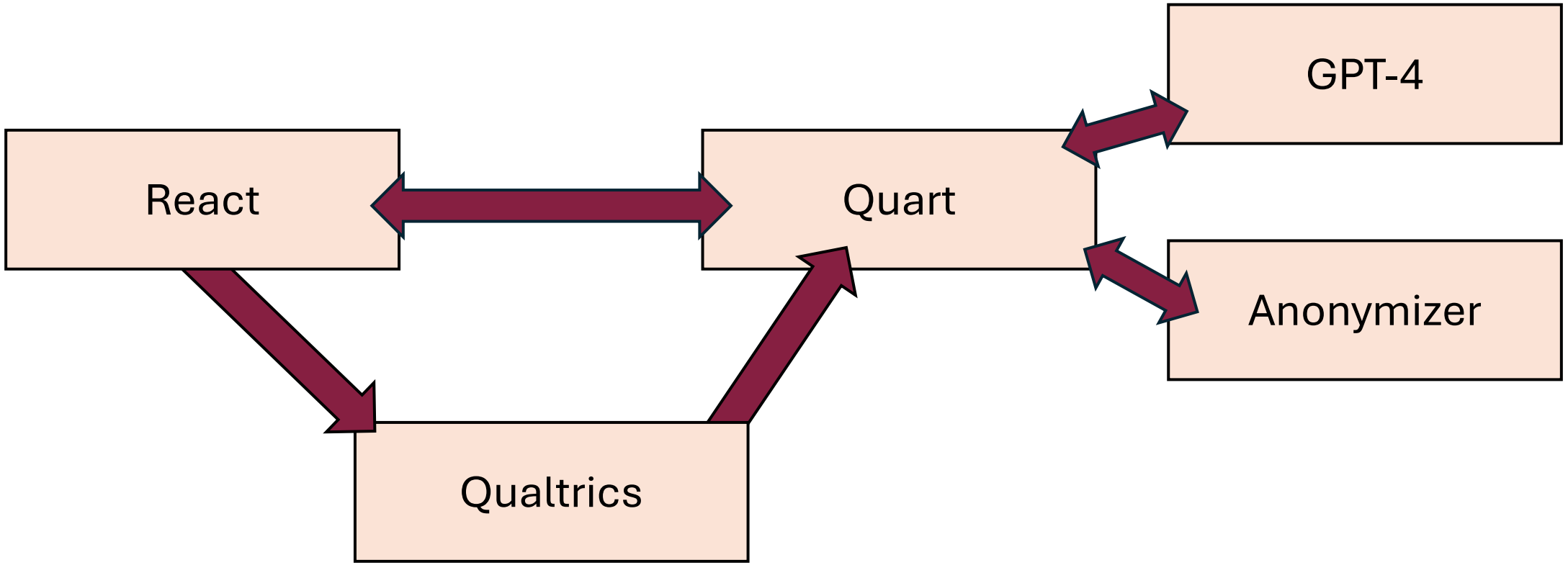
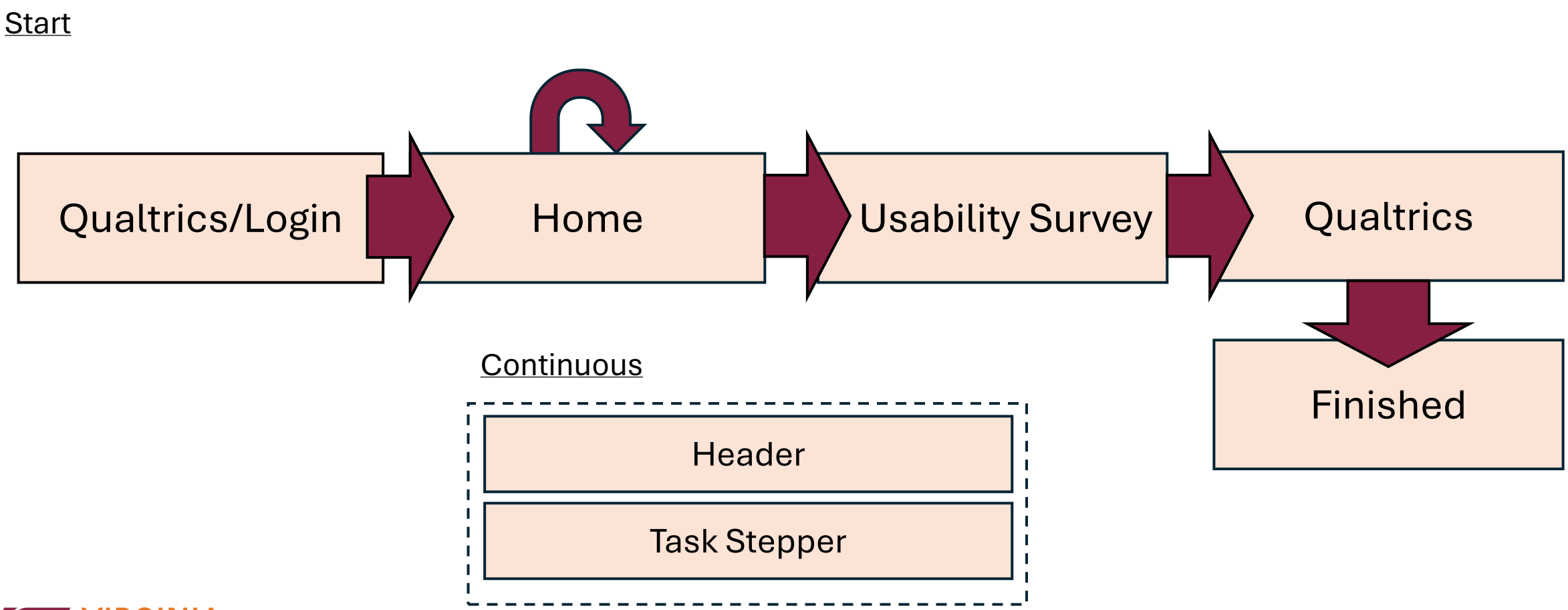
MODELS / FIGURES

Summarized UML



Frontend



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Backend

User	
id	String (primary key)
password_hash	String
survey_id	String
messages	List[Message]
eft_cues	List[Cue]
usability_assessment	String

Message	
id	String (primary key)
user_id	String (foreign key)
content	String
role	String
timestamp	Integer

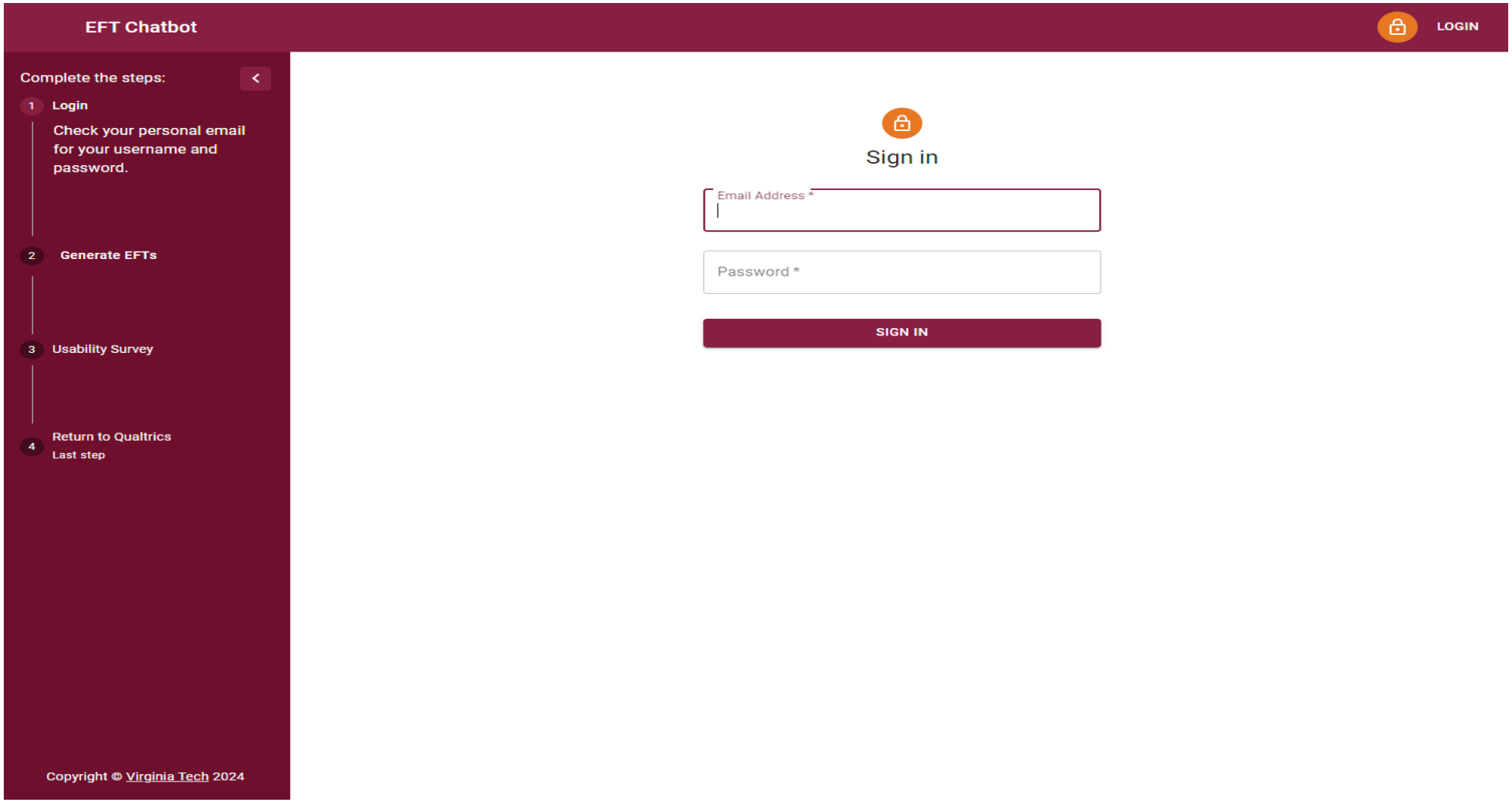
Backend

Cue	
id	String (primary key)
user_id	String (foreign key)
content	String
timeframe	String

Event	
id	String (primary key)
user_id	String (foreign key)
action	String
timestamp	Datetime

Final Pages

Login



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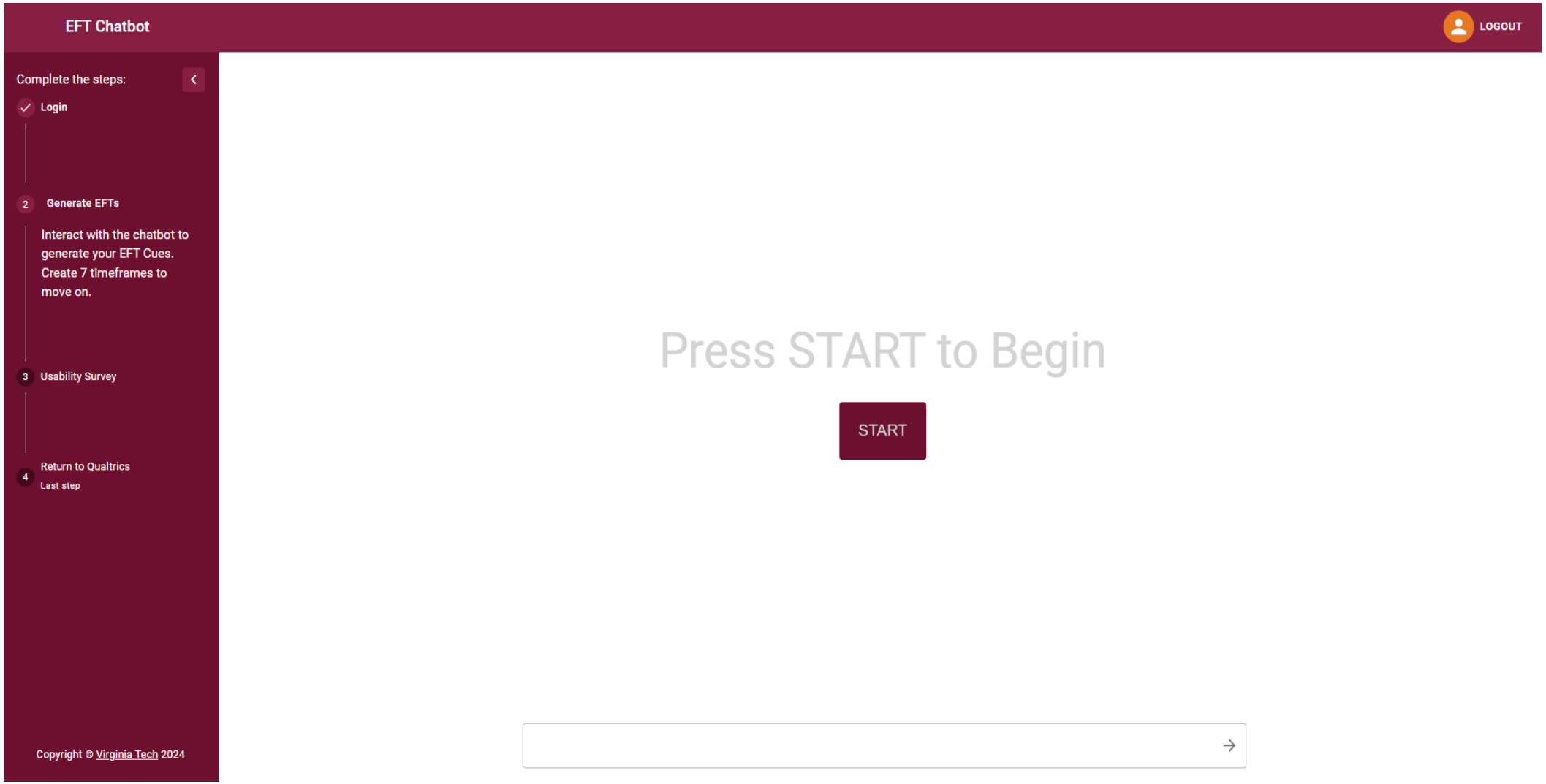
Home - Start



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Home - Chatbot

EFT Chatbot

LOGOUT

Complete the steps:

1. Login
2. Generate EFTs
   Interact with the chatbot to generate your EFT Cues. Create 7 timeframes to move on.
3. Usability Survey
4. Return to Qualtrics
   Last step

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How you are feeling
###

You

I am with my grandparents in the city watching a show. We are extremely relaxed while we watch a great performance.

EFTeacher

In about six months, I am in the bustling heart of New York City, experiencing the magic of a Broadway show alongside my grandparents. The three of us are seated comfortably in the grand theatre, absorbed in the captivating performance on stage. Surrounded by the rich culture and history of Broadway, we find ourselves completely relaxed and immensely enjoying the artistic expression unfolding before our eyes. This special outing with my grandparents is a cherished moment, allowing us to bond over our shared love for theatre in one of the most iconic settings in the world.

Now rate your event on a scale from 1 to 5, where 1 means "Not at All" and 5 means 'Very Much' for the following questions.

"In about a month, I am sitting on the warm, sandy shores of St. Thomas Island, accompanied by my family and friends. We are all together, enjoying the comfort of each other's company, basking under the golden sun. The gentle sound of waves crashing and the cool sea breeze add to our perfect day. I am feeling incredibly joyful and grateful to be surrounded by such wonderful people in this beautiful place. It's moments like these that truly enrich life."

Hide 1/4

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Usability Assessment

EFT Chatbot

LOGOUT

Complete the steps:

- Login
- Generate EFTs
- 3 Usability Survey
  Complete the survey
  Continue
- 4 Return to Qualtrics
  Last step

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Usability Assessment

Please answer the following questions to the best of your ability using the Likert scale 1-5.

	1. Strongly Disagree	2. Disagree	3. Neutral	4. Agree	5. Strongly Agree
1. I think that I would like to use this system frequently.	1	2	3	4	5
2. I found the system unnecessarily complex.	1	2	3	4	5
3. I thought the system was easy to use.	1	2	3	4	5
4. I think that I would need the support of a					

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Finished Page – Return to Qualtrics

EFT Chatbot

LOGOUT

Complete the steps:

- Login
- Generate EFTs
- Usability Survey
- 4 Return to Qualtrics
  Last step

Done

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Thank you for participating in this session!

Please hit Done to finish your session.

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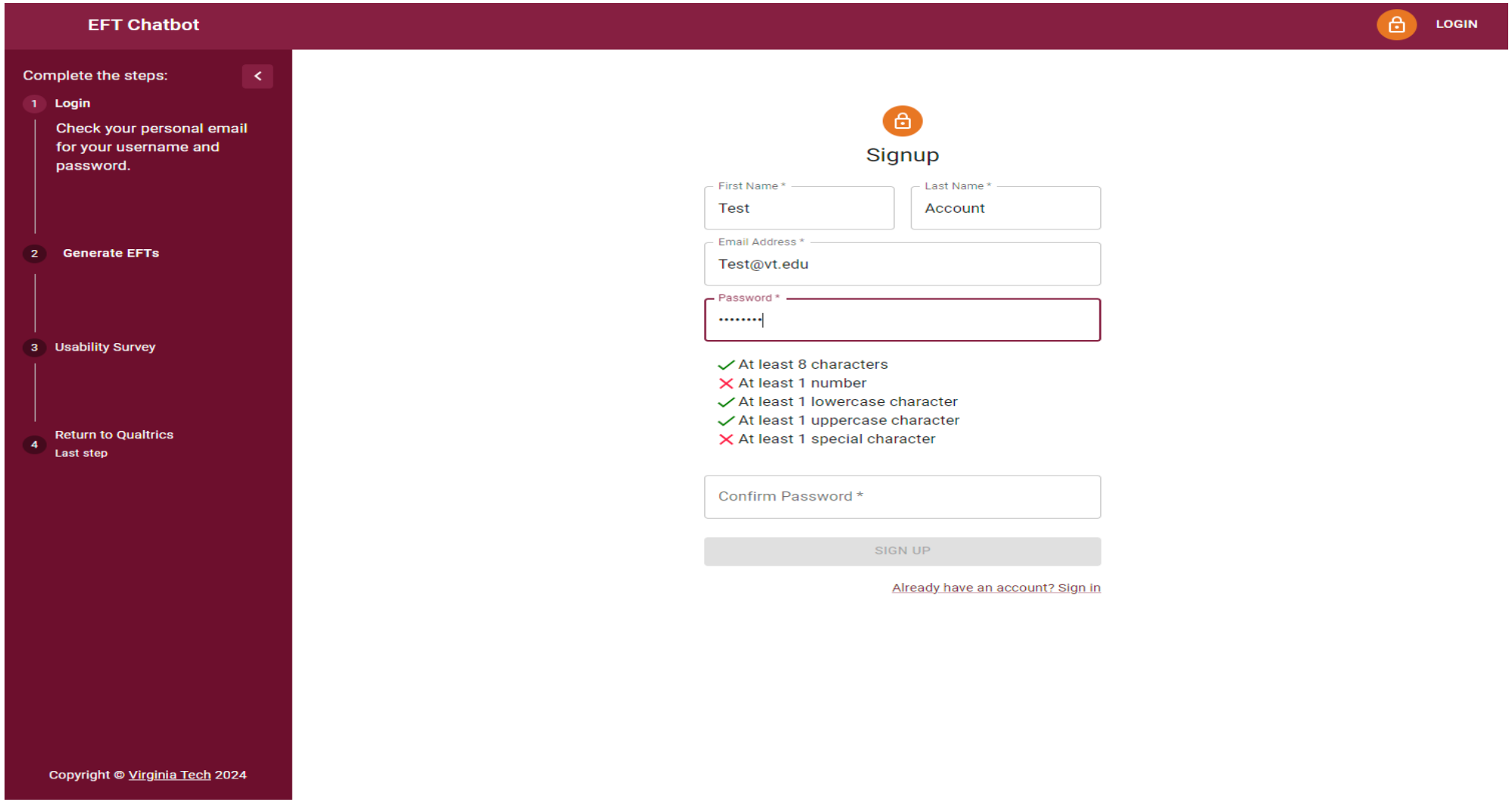
Sign up – Development Only



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GENERAL INFORMATION

Timeline

Jan/Feb

Environment Set Up

Report & Presentation

Ollama Model

March

Docker Image to Server

Presentation 2

Qualtrics Routing

April/May

OpenAI

Final Report & Presentation

Finalize Production

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Issues Along the Way

- Connecting to Qualtrics
- Using Previous Code Base
- Getting Access to Virtual Machine
- Getting Access to Azure

Future Work

- Testing with Real Users
- Password Recovery

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https://www.securecloudaas.com/services/infrastructure-solutions/ms-azure/

Acknowledgements

- Sareh Ahmadi – Client
- Satvik Chekuri – GTA
- Edward Fox – Professor

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Q&A