INATOR-INATOR

Devin Coombs

George Stafford

Austin Sundloff

- My name is Devin

- I come from Layton Utah

- I came to St. George to study computer science here at Utah Tech

- I have a family

- I can speak German, Ukrainian, Russian, and to a lesser degree Spanish, Chinese, and Arabic. Some English too

- … evil

INTRODUCTION------ DR. DEVIN COOMBS
(NOT A REAL DOCTOR)

- ▸ My name is George

- ▸ I come from Saint George Utah

- ▸ I am currently studying Electrical Engineering, with a minor in CS

- ▸ I work for the UTT IT department

- ▸ **...** definitely more evil than last time

--INTRODUCTION--
DR. GEORGE STAFFORD

(PHD NOT YET ACQUIRED)

- My name is Austin
- I come from Tooele Utah
- I am currently studying computer science at Utah Tech University.
- I enjoy designing, drawing, and writing when I am not doing computer work.

- … I little evil

INTRODUCTION - DR. AUSTIN SUNDLOFF (NOT A DOCTOR)

OVERVIEW

Problem

▶ No easy way to share engineering ideas

▶ Need to connect with other like-minded ~~evil~~ people

▶ Not enough ways to spread ~~evil~~ joy and happiness the world

▶ There is simply not a single way to do all these things at the same time in an efficient way.

▶ We are currently not ruleng the tri-state area.

▶ How can we fix this?

Solution

INATOR-INATOR

▶ Allows anyone to easily share ~~evil~~ ideas and get feedback from other ~~evil~~ people!

▶ Great way to connect with soon-to-be evil friends, and fellow evil inventors!

▶ Easily spread ~~evil~~ joy and happiness to the world in any number of ways through your ~~evil~~ inventions.

▶ All in one place. With this, we will build off each other's ideas and rule, the tri-state area!!!

George Stafford

WHAT DID WE DO? - INATOR

We were able to almost incorporate all our version 1.0 concepts into our final design. Which means we picked a simpler layout compared to the one before, as we do not want to overwhelm new evil doers. You can see what it looks like to create and view a post on the left. We included:

- Evil

- Posts that incorporate likes, descriptions, comments, and tags.

- A Friend System.

- Profile Customization.

- The Self Destruct Button.

- Moderation Features.

But we also incorporated new features like:

- A tutorial pop up feature.

- A bookmark system separate from the like system.

- And more Evil.

HOME PAGE-INATOR! [AND A BRIEF DISCUSSION ON DESIGN LAYOUT]

Again, we thought it would be wise to go with more of a simple layout compared to our previous mockup, so that is exactly what we did. We wanted users to have an easy way to post, and view posts simultaneously, while also being able to access all of our other features from the home page so we tried to incorporate that into our final design. Here is what we came up with.

Inator-Inator

We are Evil!

Behold, Agent Doof The User!
The Home Page-Inator!

New Post

What's on your mind?

Add tags (comma-separated)

Post

My Feed

@Agent Doof

1 hour ago

Behold, The Post Inator!!! Now that I can finally share my evil ideas for inventions, there is nothing stopping me, from RULING, THE TRI-STATE AREA!!!

Tags: I am evil   mwa hahaha!

Like (0)   Bookmark
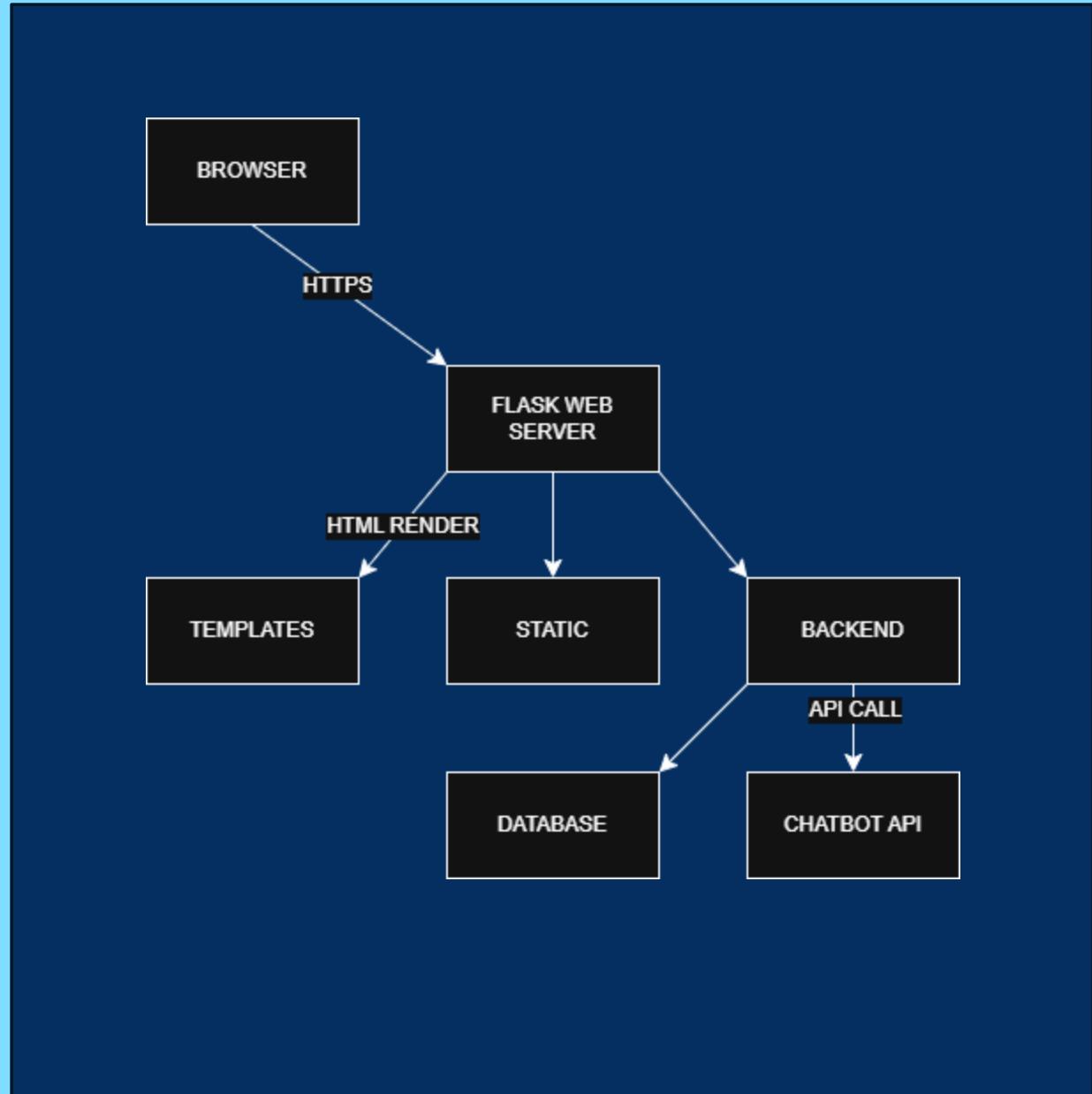
Write a comment...   Post

View Comments (0)

View Liked Posts

View Bookmarked Posts

Add Friend

Username

Add Friend

My Friends

@AgentFerb
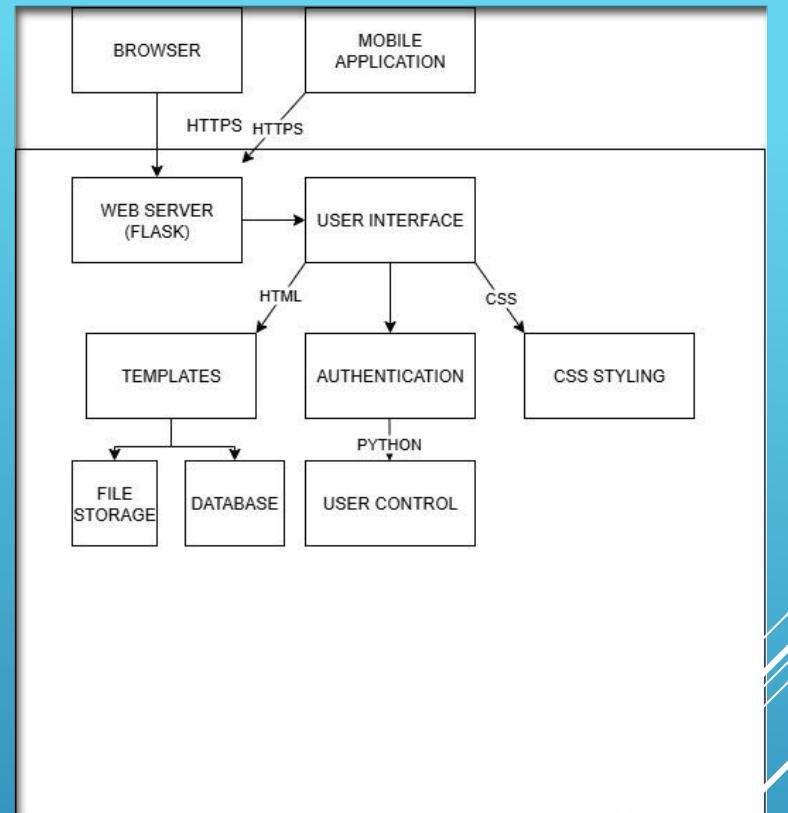
SOLUTION ARCHITECTURE-INATOR
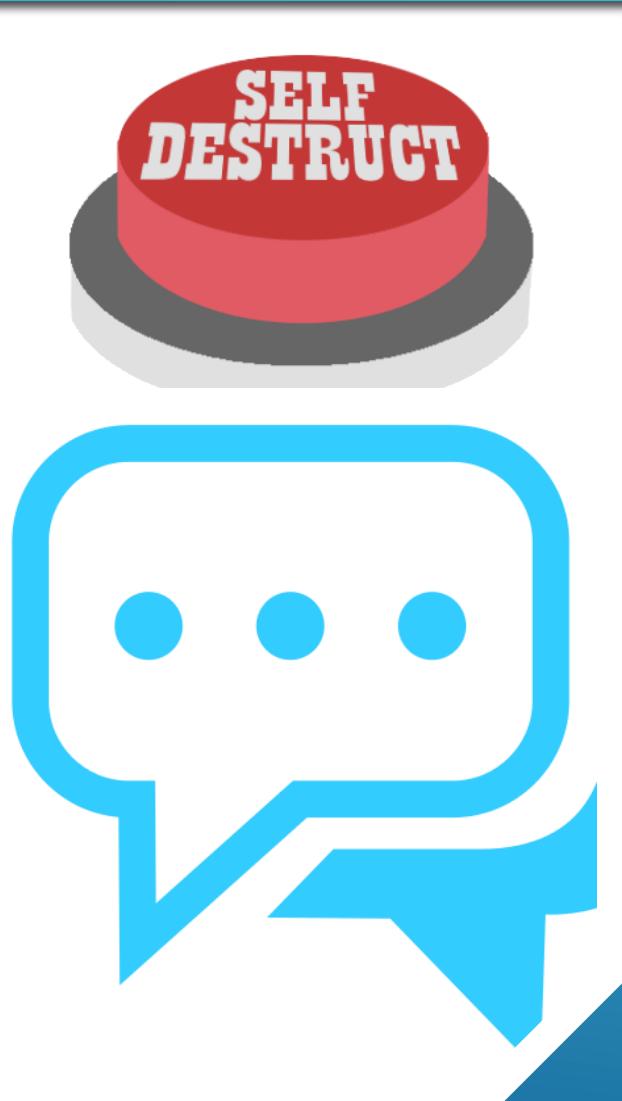
- *Runs on Flask web server through a browser using HTTPS*

- *Web Server interacts with templates to render HTML. CSS is contained in a separate static folder, also containing default PFPs and other images.*

- *The backend interacts with the database, allowing users to friend, block, and message other users, as well as authenticate users (and wipe the database)*

- *An API is used to allow N0rm chatbot to be run through the backend*

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- *Our architecture changed slightly as we went through the coding process, understanding the base code better and choosing to make our own changes to it.*

- *Mobile application was never completed.*

- *File storage was not necessary, instead most of our necessary files were stored in the static folder, connected to the Web Server.*

- *Backend is more than just user control, it also controls authentication, messaging, friending, profile creation and so much more.*

- *User interface is a vague component that basically encompasses everything, so that piece was removed.*

- *The entirety of our code was built on the code base, although much of it was altered, overhauled, and removed over time. However, it provided the baseline for how everything was programmed and styled as the code progressed.*

- *The major addition made to the solution was the API for N0rm. We built the entire system, including messaging, using the tinydb database*

EVOLUTION OF ARCHITECTURE

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DESCRIPTION-INATOR!

▸ Over the course of the semester, we set out to create a social media platform that could help engineers get the word out about their inators.

▸ Evil Ideas:

▸ Self Destruct Button (obviously).

▸ Norm AI chat bot.

▸ Incorporate ways to contact other users via chat and friend system, allowing for a simple way to get evil ideas from fellow inventors.

WE'LL DO IT LATER - INATORS

Unfortunately, there was some items that were not able to be put in for our first version.
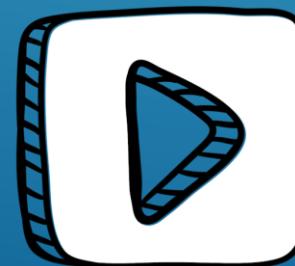
1. We did not incorporate an image file upload for our system, so there is no way for users to upload images yet.

2. We toyed with the idea of a resume builder to help users find work experience, but there was not enough time.

3. Our tutorial feature only applies to the home page feed. We originally planned for it to be used all over the site.

4. We were unable to include the different types of engineering practices as categories, so all posts currently fall under the same engineering category until we add some more options.

SORRY !

COOL IDEAS – INATOR.

We still have some cool ideas for us to inate:

1. We would love to try and incorporate the ideas we weren't able to add to our first version from the previous slide.

2. We think that having a group friends feature for chatting could improve communication across the platform, and lead to a better user experience.

3. Video and audio file uploads so people can share their ideas with more than just a picture and a description.

4. Commission feature that allows people to pay others to invent stuff for them.

5. Another A.I. chatbot named Chloe, because Norm sometimes gets lonely.

LESSONS LEARNED

▶ Most Difficult feature

▶ Coolest feature

N0rm Bot
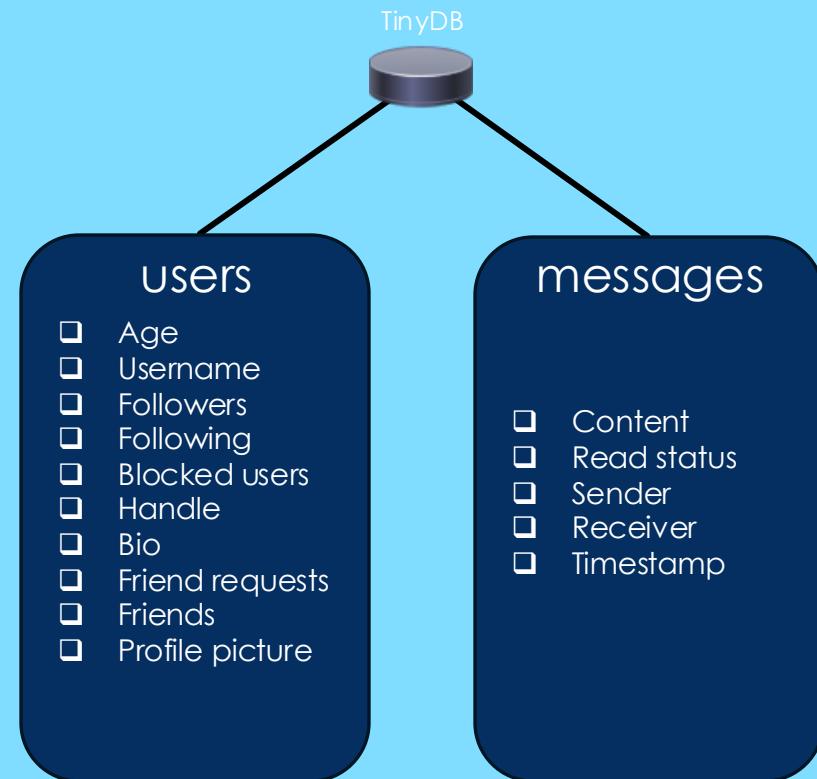
User chat

LESSONS LEARNED

User chat

TinyDB

## users
- Age
- Username
- Followers
- Following
- Blocked users
- Handle
- Bio
- Friend requests
- Friends
- Profile picture

messages
- Content
- Read status
- Sender
- Receiver
- Timestamp

George Stafford

LESSONS LEARNED

Server host

N0rm Bot

Flask - Youface

Flask - N0rm

User

TinyDB

Ollama - mistral:7b

messages

- ❏ Content
- ❏ Read status
- ❏ Sender
- ❏ Receiver
- ❏ Timestamp

Database listener
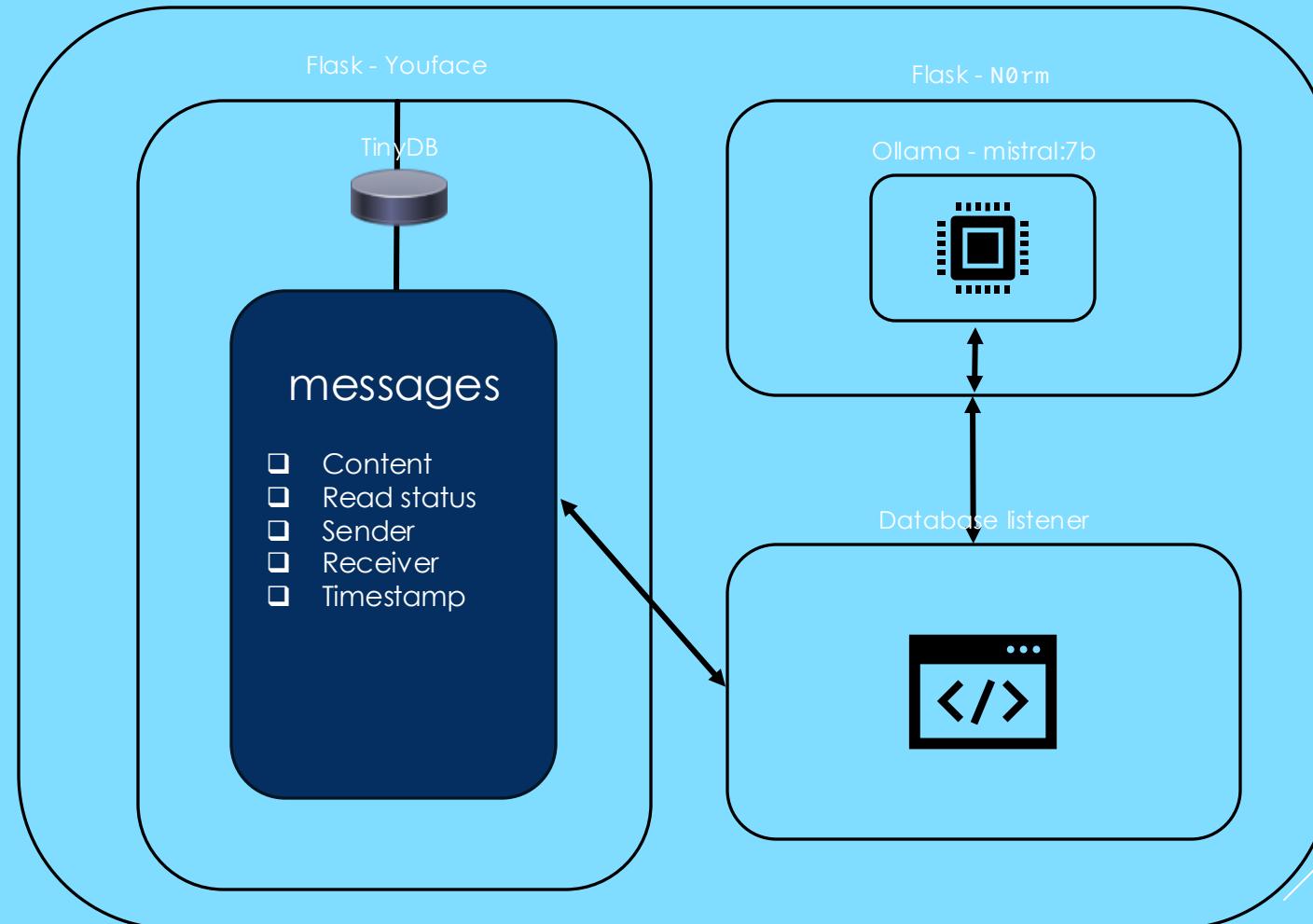
QUESTION-INATORS?

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