

The Fantastic 4

Featuring:

SALBOT

Travis Anderson

Alex (Xingzhi Chang)

Shanchai Zahid

Joe (Gil Che Lee)

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Being a Student is HARD!

- I am lost, stuck, stressed and crying.
- Homework is due in 2 hours!
- Instructor's not available because it's 10 PM.
- TA's are busy helping other students.
- Tutors have to be booked a whole week ahead!
- Classmates are also LOST!



Now what?

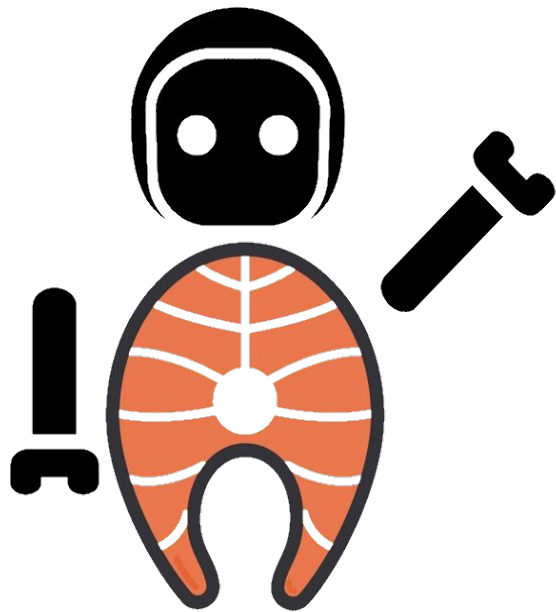
Our Solution..? We made our own Tutor!

Introducing: SalBot

SalBot is an AI tutor that will answer your questions to the best of its ability.

Just like Sal, he's a master of coding knowledge and a phenomenal instructor.

SalBot interacts with users through a browser in chat format.



As a fitting tribute to our beloved instructor

Requirements?

What does SalBot need??



Available 24/7

SalBot is available throughout



Wiki API Search

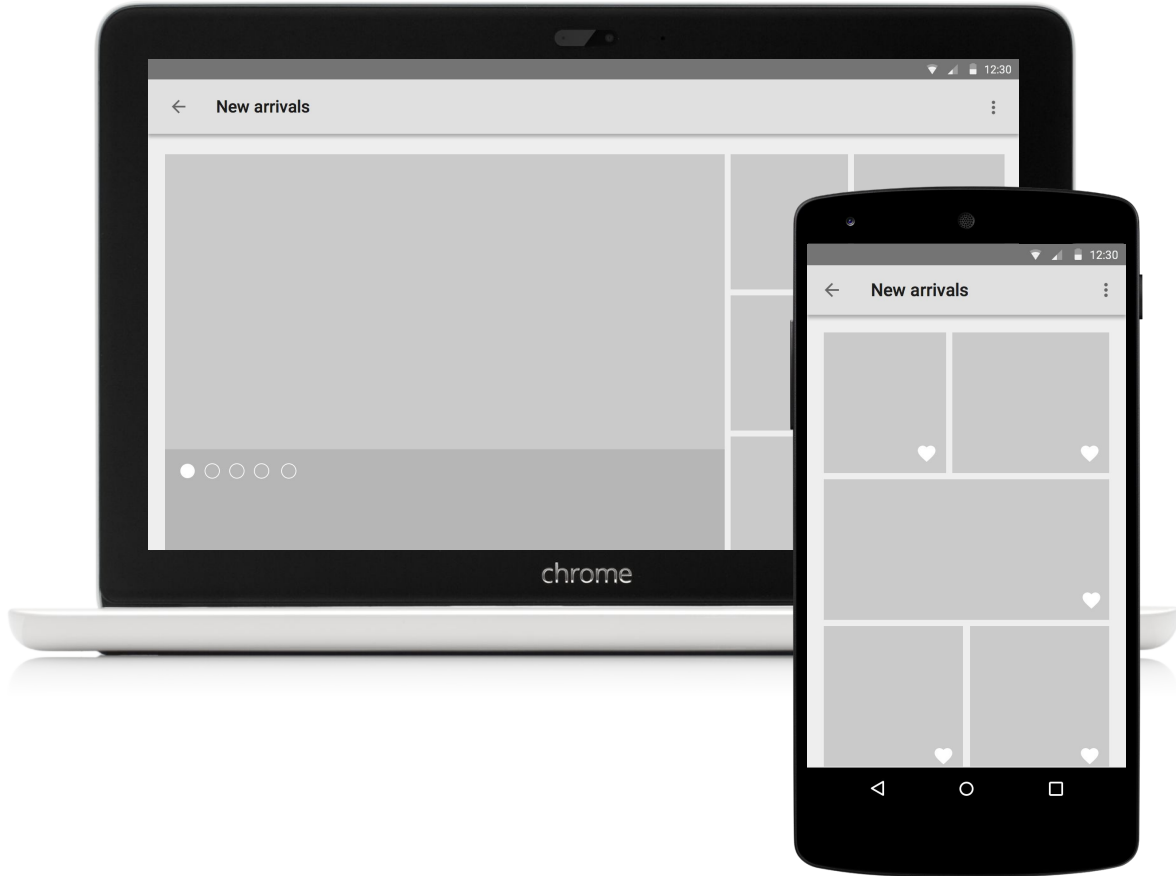
As you study along, you can search concepts and terms on Wikipedia

Responsiveness

SalBot can be used on both on desktop and mobile platform.

From your workstation to home, you can ask for help anywhere.

Take SalBot out for a study date to your favorite coffee shop or to the library!



API KEY MODEL JUMBO VS LARGE

CHAT BOT RESPONSE

YOUR RESPONSE

CHATBOT RESPONSE

INPUT TEXT SUBMIT BUTTON

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Wikipedia API Search

JavaScript

Searching for "JavaScript"

JavaScript

JavaScript is often abbreviated as JS. It is a high-level, interpreted programming language. It is a language which is native character and dynamically, loosely typed, prototype-based and multi-paradigm.

JavaScript syntax

The syntax of JavaScript is based on rules that define a correctly structured JavaScript program.

JavaScript engine

A JavaScript engine is a program or library that interprets, executes, and manages JavaScript code. A JavaScript engine may have a built-in interpreter, or it may utilize just-in-time compilation to translate to native machine code.

JavaScript library

Wire Frame

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Mobile Deployment

Acceptance Criteria

When: I load the home page,

Then: I'm greeted with a large picture of the Salbot mascot and features of the project.

When: I click the "chat now" button,

Then: The chatbox.html page is loaded that displays a chatbox between Salbot and the student.

When: I send a message to salbot,

Then: I am presented with salbot's answer to my question in the form of a conversation.

When: I want to search a term I'm not familiar with,

Then: I can search for the term using Wikipedia API and be presented the answer in modal format.

README

Roles

- JS & APIs: Travis, Alex
 - AI21 Studio API: Travis
 - Wiki API: Alex
- HTML & CSS: Shanchai, Joe
 - Landing Page: Shanchai
 - Chat Page: Joe
- Github Management: Travis
- Test + Debug: Team

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API's Used

AI21 Studio

<https://www.ai21.com/studio>

MediaWiki-English Wikipedia

https://www.mediawiki.org/wiki/API:Main_page

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Server Side

AI 21 Studio

AI21 Studio provides access to Jurassic-1, a suite of language models that includes Jurassic-1 Jumbo, the largest model ever made available publicly to developers.

Similar to GPT3, Jurassic-1 consists of auto-regressive models trained on a mix of English corpora that scales up to 178B parameters.

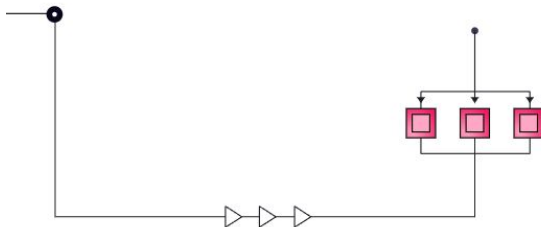
AI21 **studio**

Custom language models built for scale

Build sophisticated language applications on top of AI21's language models

When Machines Become Thought Partners

AI has a way to go before it matches human intelligence.
We aim to get it a little bit closer.



Media Wiki

MediaWiki is a [free and open-source wiki software](#).

It was developed for use on [Wikipedia](#) in 2002, and given the name "MediaWiki" in 2003. It remains in use on Wikipedia and almost all other [Wikimedia websites](#), including [Wiktionary](#), [Wikimedia Commons](#) and [Wikidata](#); these sites continue to define a large part of the requirement set for MediaWiki. MediaWiki was originally developed by [Magnus Manske](#) and improved by [Lee Daniel Crocker](#). Its development has since then been coordinated by the [Wikimedia Foundation](#).



MediaWiki

CSS Framework Used

Bootstrap

<https://getbootstrap.com/>

Bulma

<https://bulma.io/>

Font Awesome (Icons)

<https://fontawesome.com/>

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CSS

Ready to start learning?

<https://jollypong.github.io/SalBot/>

Challenges?

AI21 **studio**

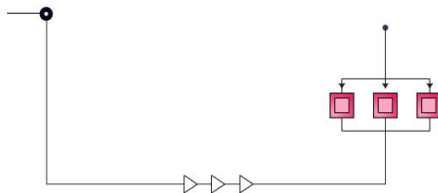
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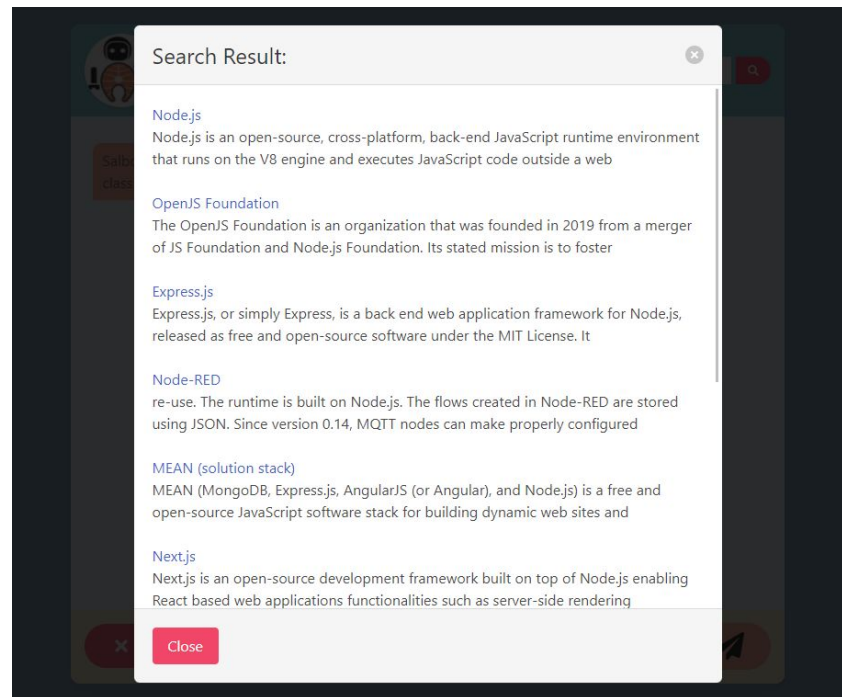
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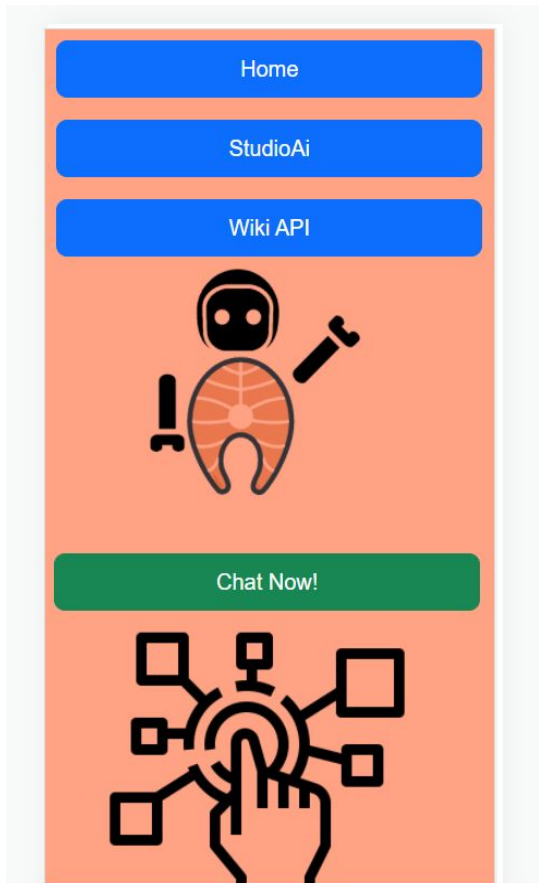
AI21 API

Challenges?



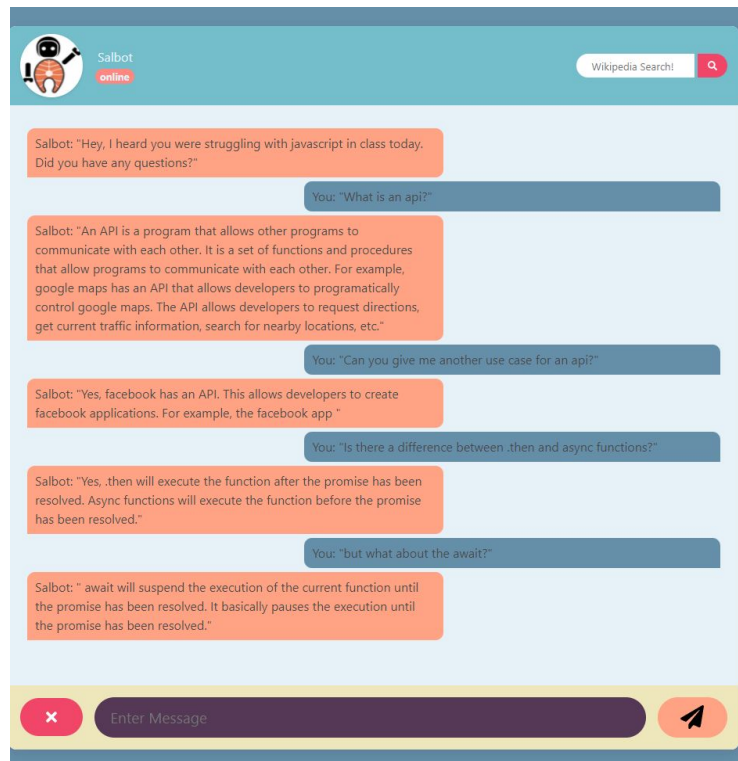
MediaWiki API

Challenges?



Landing Page

Challenges?



Chat Page

Improvements?

- Improve API Parameters for higher quality response (paid feature?)
- Animations on Salbot for more engagement
- Polish layout of all html pages