Next Word Predictor

BY

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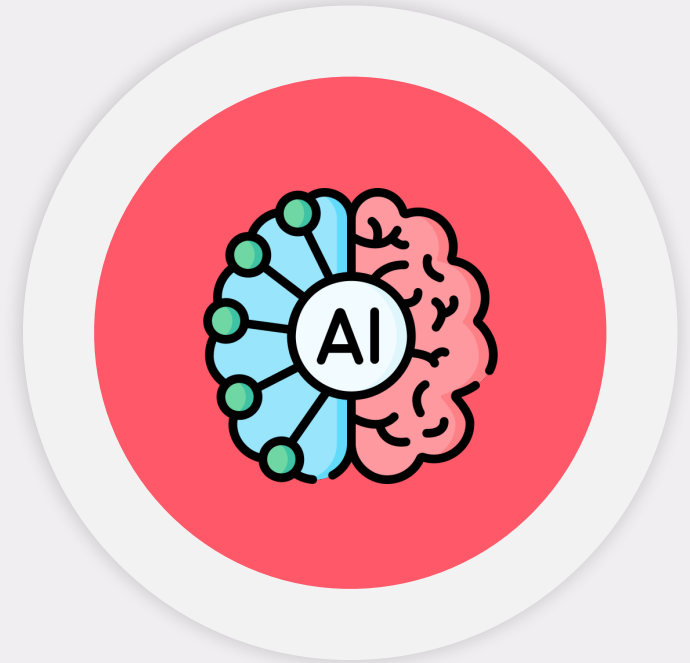
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Definition and Overview

- An robust application that can predict the next word in sentence

- Next word predictor application predicts and suggests the most likely next word as users type.

- It utilises AI to analyse context.

FUNCTIONALITY & STAGES

Users

Home page
/Text box
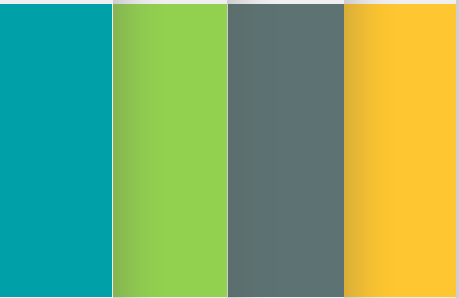
Predictions
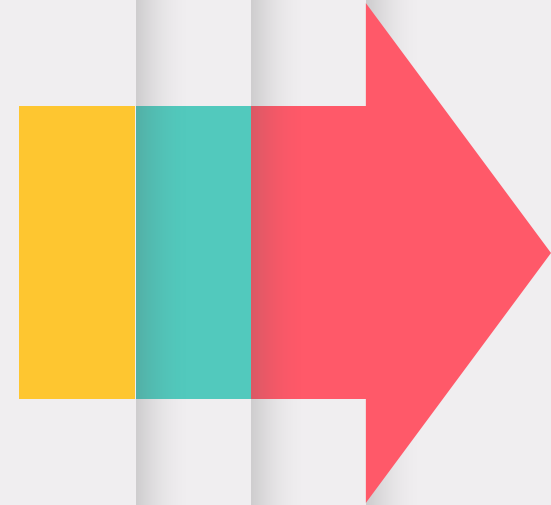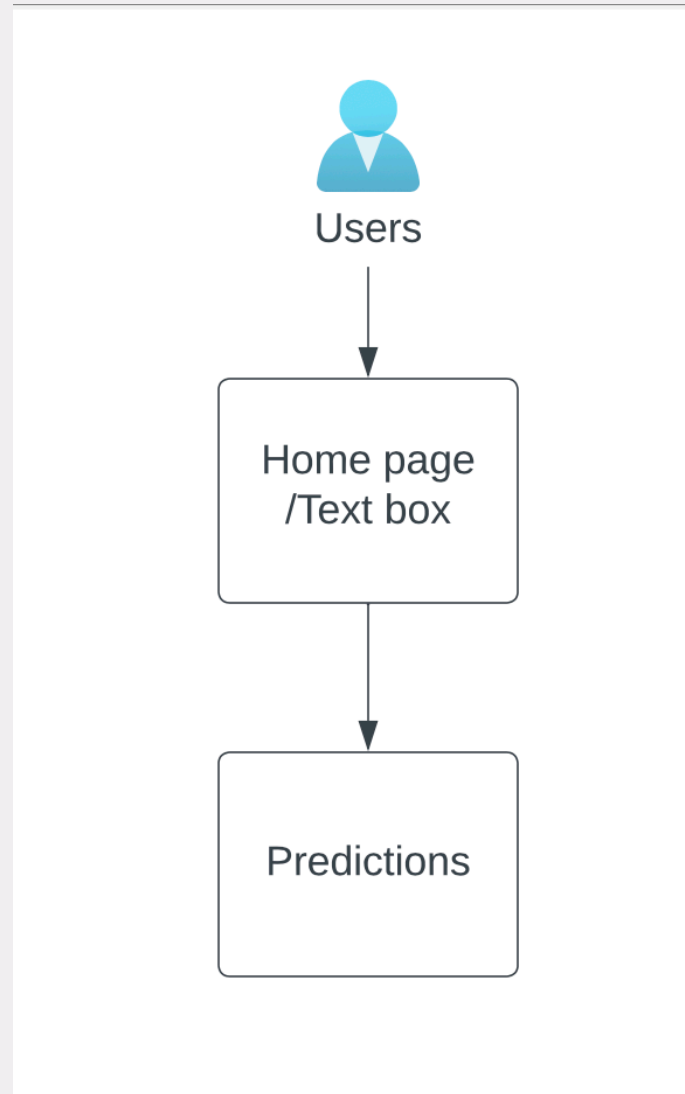
SCHEDULE

Milestones	Tasks and Functionalities	Deadlines
Preliminary Scope and Setup	Preliminary Scope Technology Selection Use Case Definition Initial GitHub Setup	02-05-2024
Basic Functionality Implementation	Text Tokenization Simple Predictive Model Database of Common Phrases User Interface	02-26-2024
Advanced Features Implementation	Deep Learning Models Integration Contextual Understanding Personalization Multilingual Support	04-08-2024
Final Features, Optimization, and Documentation	Handling Typos and Grammar Predictive Text Expansion API Integration Documentation	04-15-2024
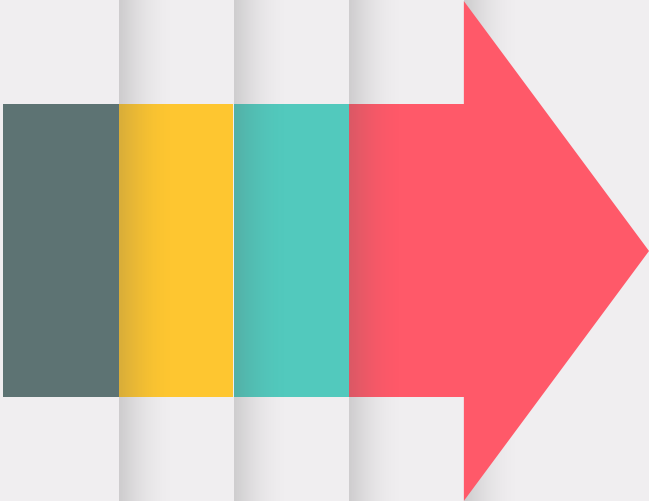
SYSTEM ARCHITECTURE
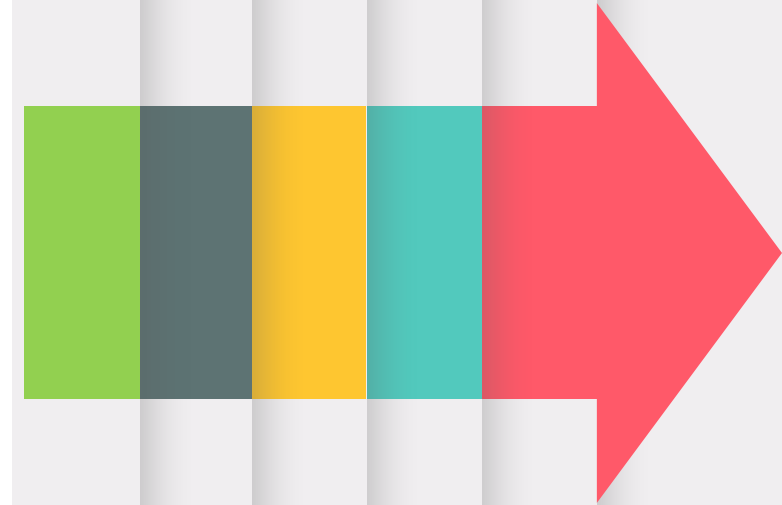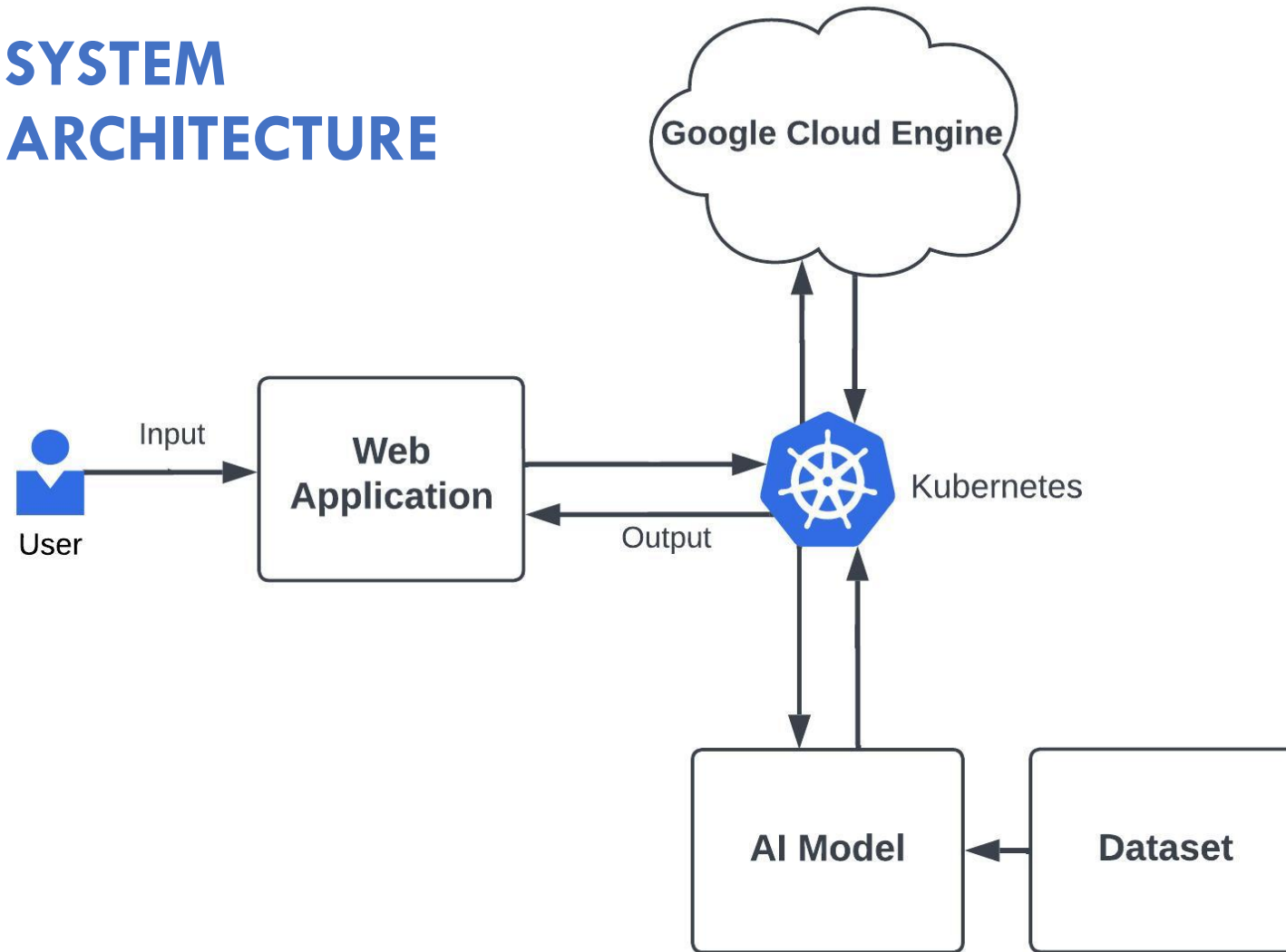
TECHNOLOGIES
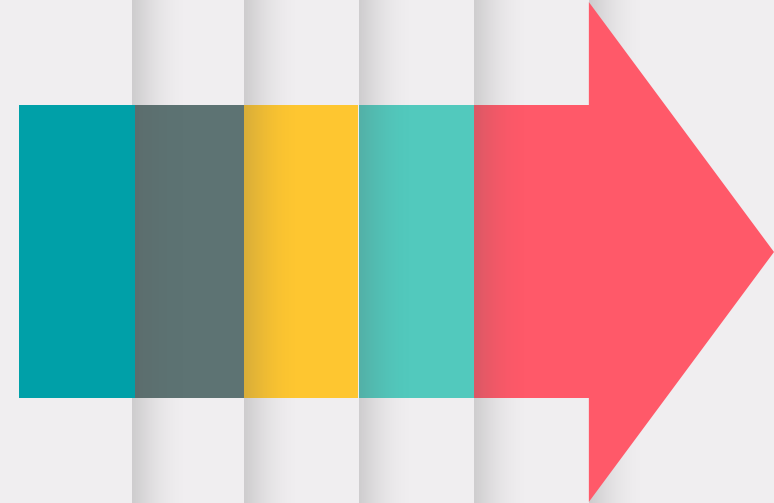
Frontend   :   React JS

Backend   :   Django

AI   :   TensorFlow

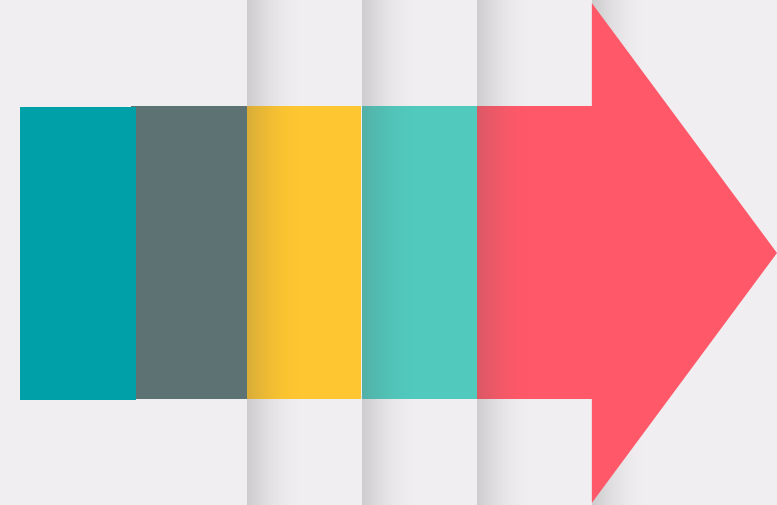Database   :   Microsoft SQL

Cloud   :   Google cloud engine

AI FEATURES

Text → AI (Transformers) → Prediction

The cat sat on
- floor   0.1
- the   0.9
- zoo   0.0

THANKYOU