



ADVICE

Virtual Student Advisor

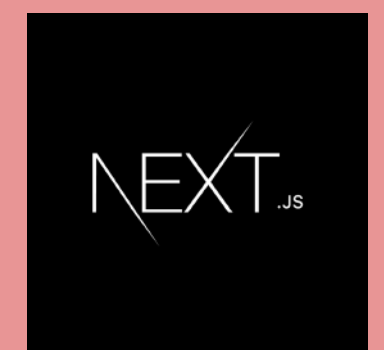


Overview

- ADVICE is a platform developed to aid students and student advisors in helping students with curricular advice.
- ADVICE provides a platform that collates information, offers summaries of course information and allows calculation of credits.
- ADVICE is divided into three main parts:
 - Website
 - Chatbot
 - UCT Student Handbook Reader

Website

The ADVICE website is the main entry point for accessing all the features that the ADVICE platform has to offer. It is built with Next.js with TypeScript and styled with Sass. Here are the main features of ADVICE:



- Credits Calculator
- Handbook Summaries
- UCT Glossary
- FAQ & Glossary Pages

All the participants that took part in the user testing expressed positive sentiments and indicated that they would use this platform in future.



Chatbot

The Chatbot is a conversational tool students can use for simple academic queries. Built with Python. The Chatbot provides information that is found in:

- UCT faculty handbooks (Science and Commerce)
- UCT Websites
- FAQs about academic information

The Chatbot is a tool that can be used to retrieve information instantly and Effortlessly.



UCT Student Handbook Reader

A Java application to read the UCT student handbooks and populate the ADVICE database was created.

- It can read any Faculty of Science or Commerce student handbook file (PDF Format).
- Reads and stores all courses and their information (course name, code, credits, course outline, etc.)
- Saves all Major information (major name, code, courses for each year of study).
- Uploads the information to the database in a format that the ADVICE website can understand.



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