

FICS: Fixed Income for College Students



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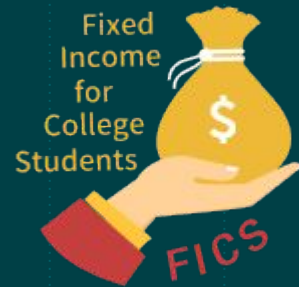
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What is FICS?

FICS is an interactive Android app that functions as an investment simulation platform for the fixed income market.



Demo



Product definition



Problem

Gap in educational resources regarding the fixed income market



Target Audience

Young adults



Vision

Broaden financial literacy



Strategy

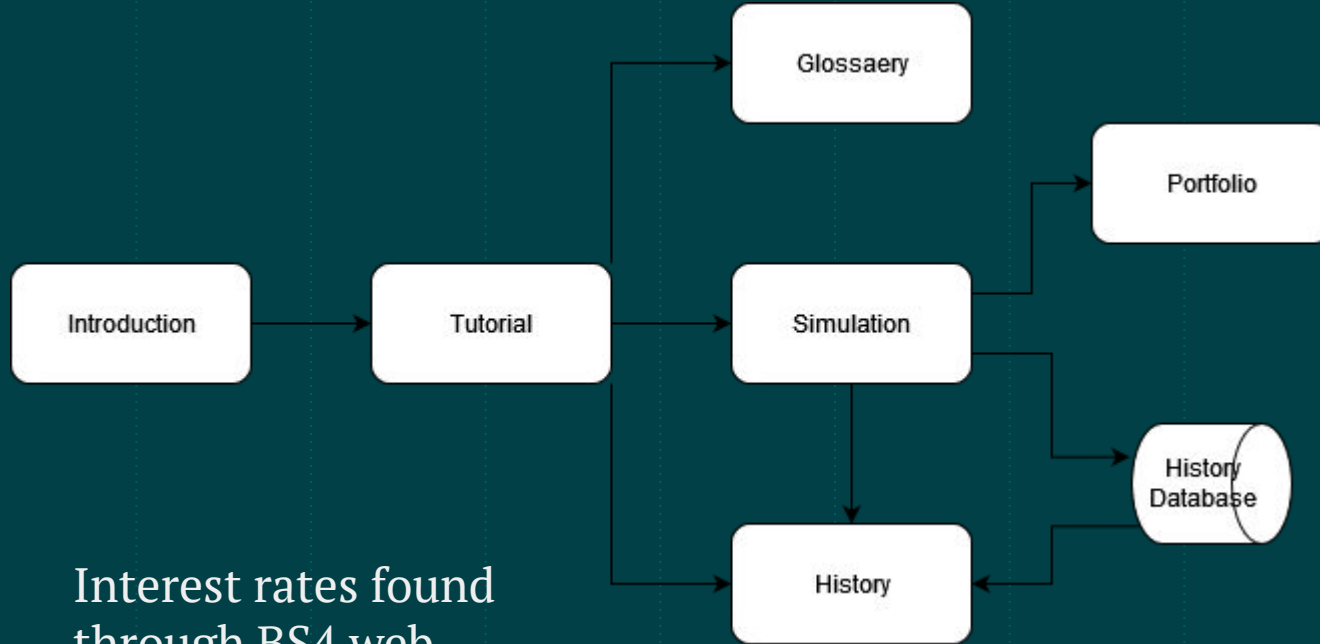
Investment simulator with step-by-step tutorial



Goals

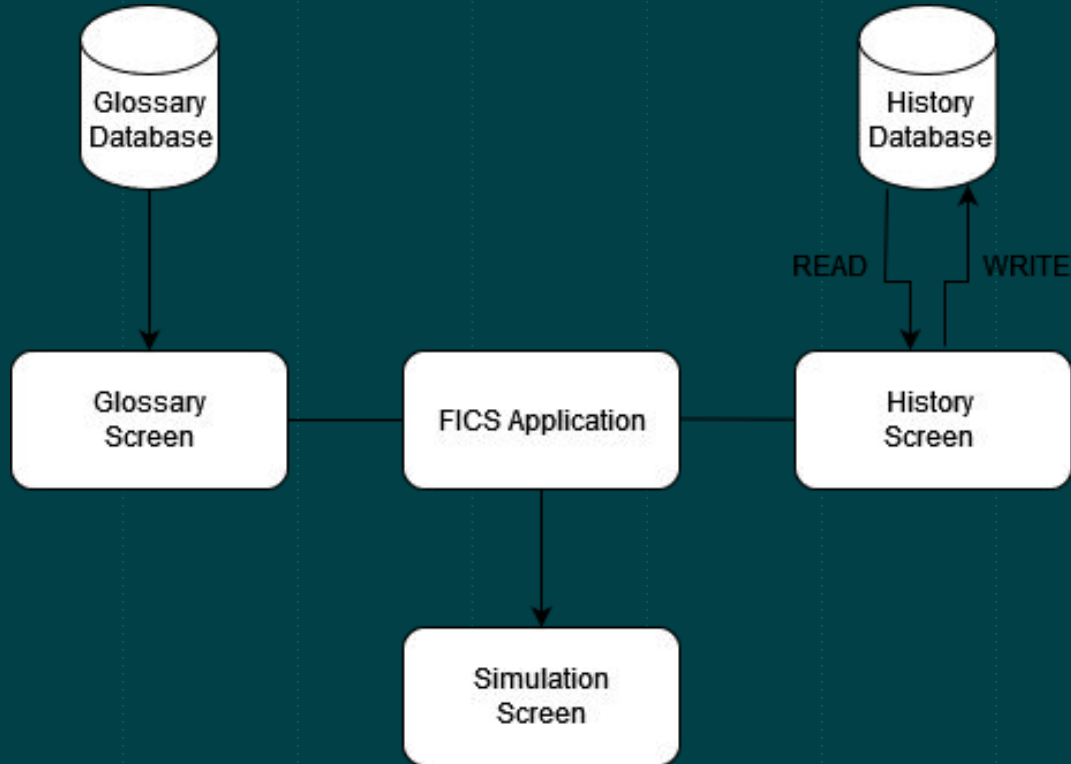
Allow users to develop their own investment portfolio plan

Architectural design

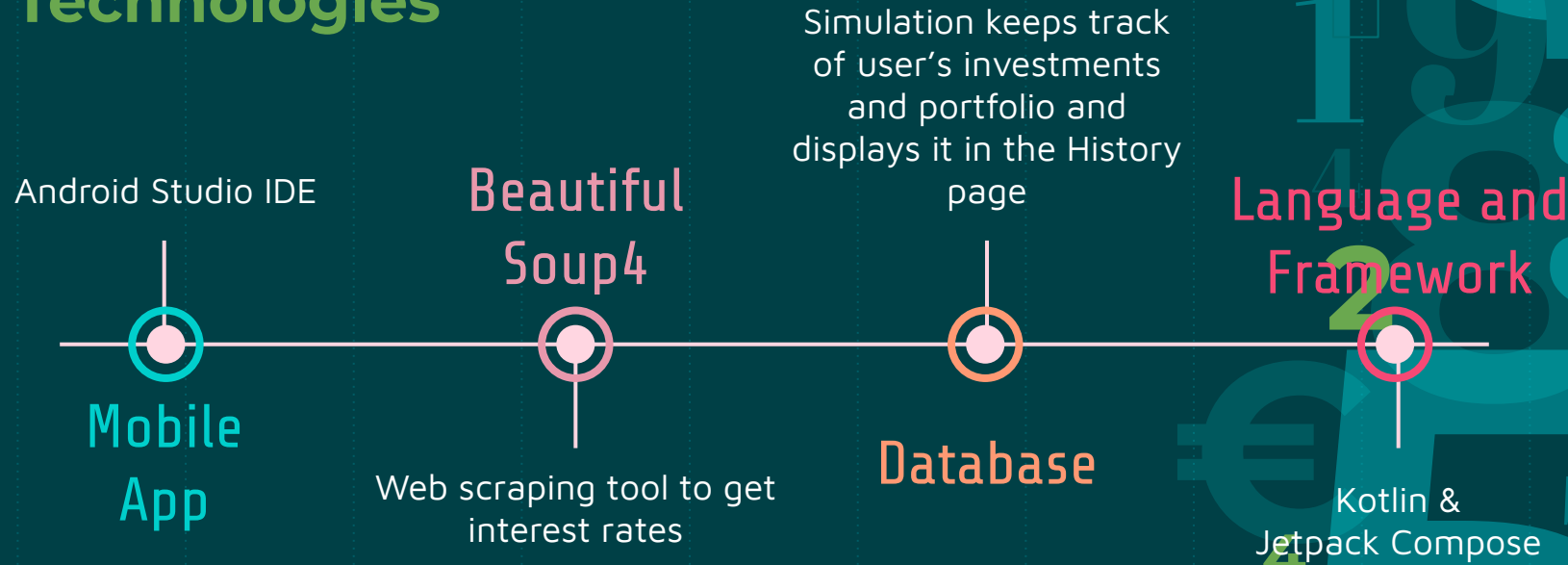


Interest rates found
through BS4 web
scraping

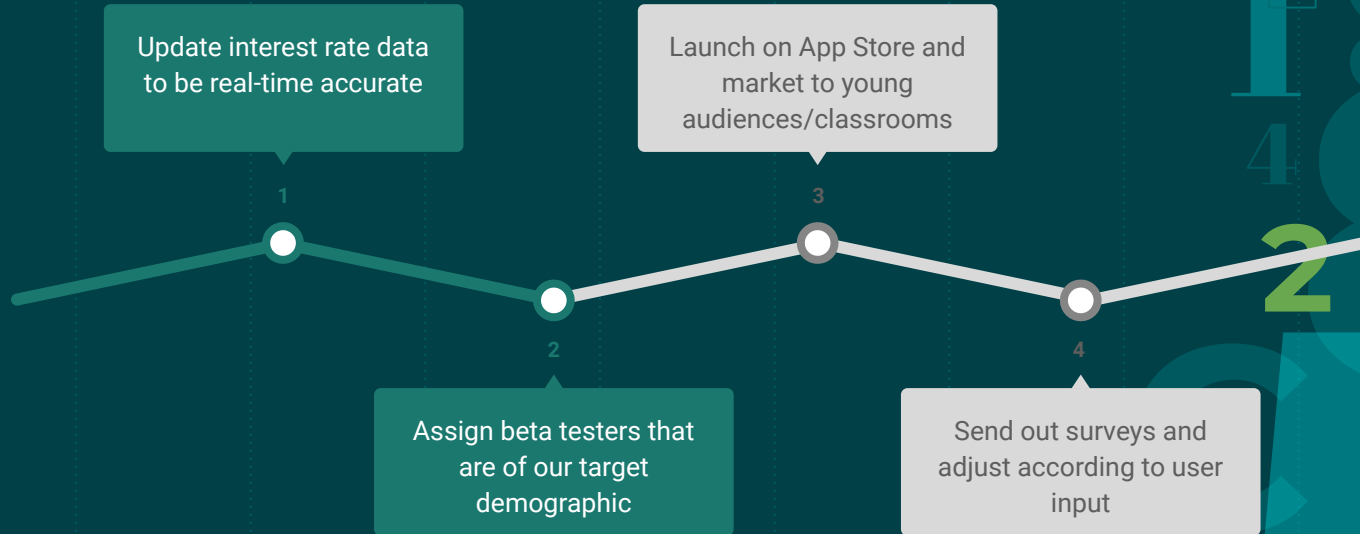
System Design



Software Packages and Technologies

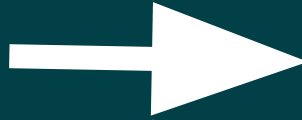


Testing



Ethical Concerns

Investment App
with “fake
money”



Reckless with REAL money

App cybersecurity

**Does not cover whole gamut
of fixed income investing**

Work Distribution

Anling

Finance knowledge

Web scraping

Figma UI Design

Sowjanya

Backend - snack
bars, dialogue
boxes, glossary
search, default risk,
help button, etc

Fatima

UI/UX design and
implementation

Muhammad

Backend - history
page, portfolio
performance page,
navigation buttons,
etc

Challenges & Lessons

Challenge	Challenge	Lesson	Lesson
<p>Finding APIs/Implementing Web-Scraped Data</p> <p>We could not find appropriate APIs for our purpose, so Anling learned BeautifulSoup4 to get interest rates from web scraped data</p>	<p>UI Overhaul</p> <p>Initial UI was not up to standard, group had to redesign and implement UI</p>	<p>Work harder AND smarter!</p> <p>We learned to be more efficient with our time and allow time for error-checking and debugging.</p>	<p>Plan in advance</p> <p>Create detailed plan of end product to start strong and modify as time goes on</p> <p>— Sowjan</p> <p>Go with the flow</p> <p>Don't fixate on each detail. Try to implement new things as the team sees the need</p> <p>— Muhammad</p>

Thank you!



“CAW” - Hunter Hawks