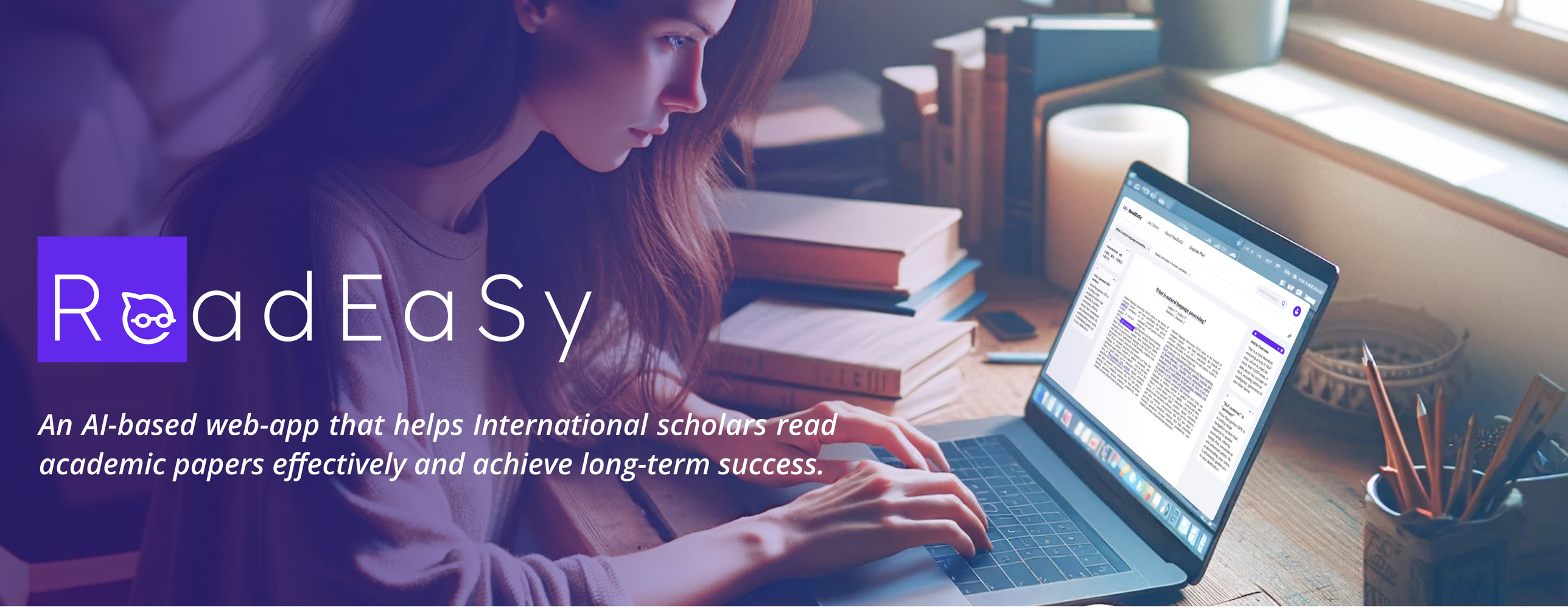


ReadEaSy

An AI-based web-app that helps International scholars read academic papers effectively and achieve long-term success.

Problem

Regardless of their level of English language proficiency, **International scholars** in US higher education institutions and programs can experience challenges with their academic progress based on the need to read and analyze academic texts that often present complex concepts and theories use domain specific terminology.

25% 25% of students in the US speak non-English.

Students value their academic achievements.

Difficult jargons and concepts in academic papers.

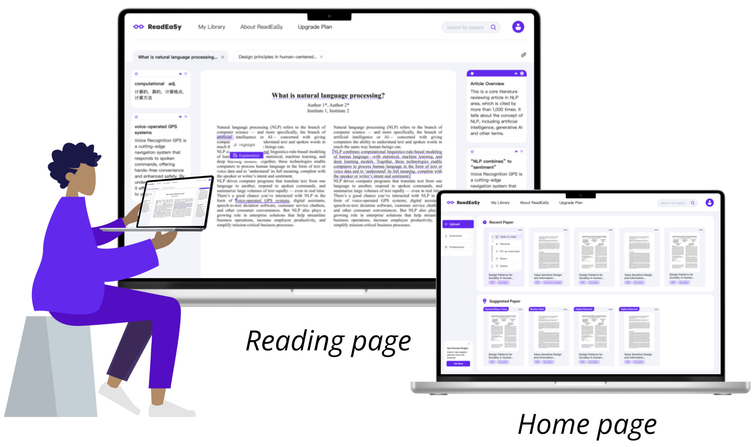
No academic reading product for ESL learners.

Solution

We have developed **a research and study companion application** that makes real-time comprehension, vocabulary development and cross reference analysis more accessible.

1. **Real-time contextual word explanation and background information:** AI-based personalized word explanation and background information for comprehension.
2. **Interactive summary:** Summary provided by OpenAI API based on users' behavior and paper content for efficient reading.
3. **Personal repository and smart recommendation system**: A powerful knowledge base that facilitates long-term academic study based on academic level and history reading behaviors.

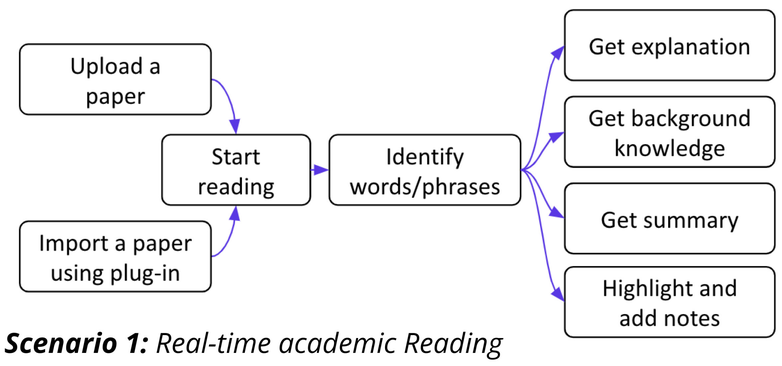
Interfaces



Reading page

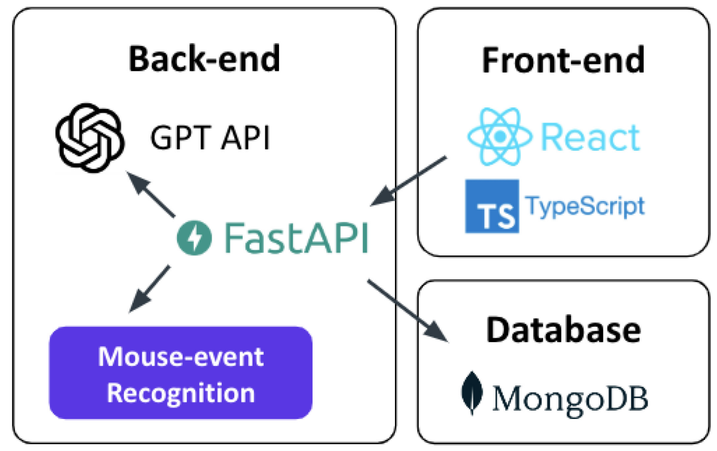
Home page

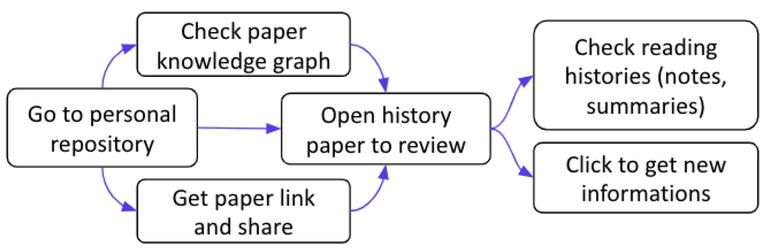
User Flow



Scenario 1: *Real-time academic Reading*

Software Diagram





Scenario 2: *Long-term Academic Study*

Process

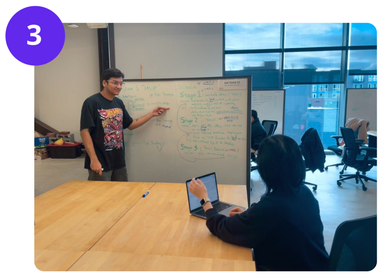
1

Discover:
Observed many students have difficulty with English academic content.
Formed a student-led project to brainstorm.

2

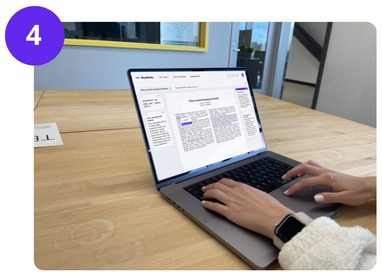
Define:
Conducted user research and market analysis to narrow down problem scope, helping ESLs read academic papers.

3



Develop:
Transformed user needs to design requirements, also explored tech platforms for potential solution.

4



Deliver:
Conducted three rounds of prototyping and user evaluation to build a final MVP web-app.

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