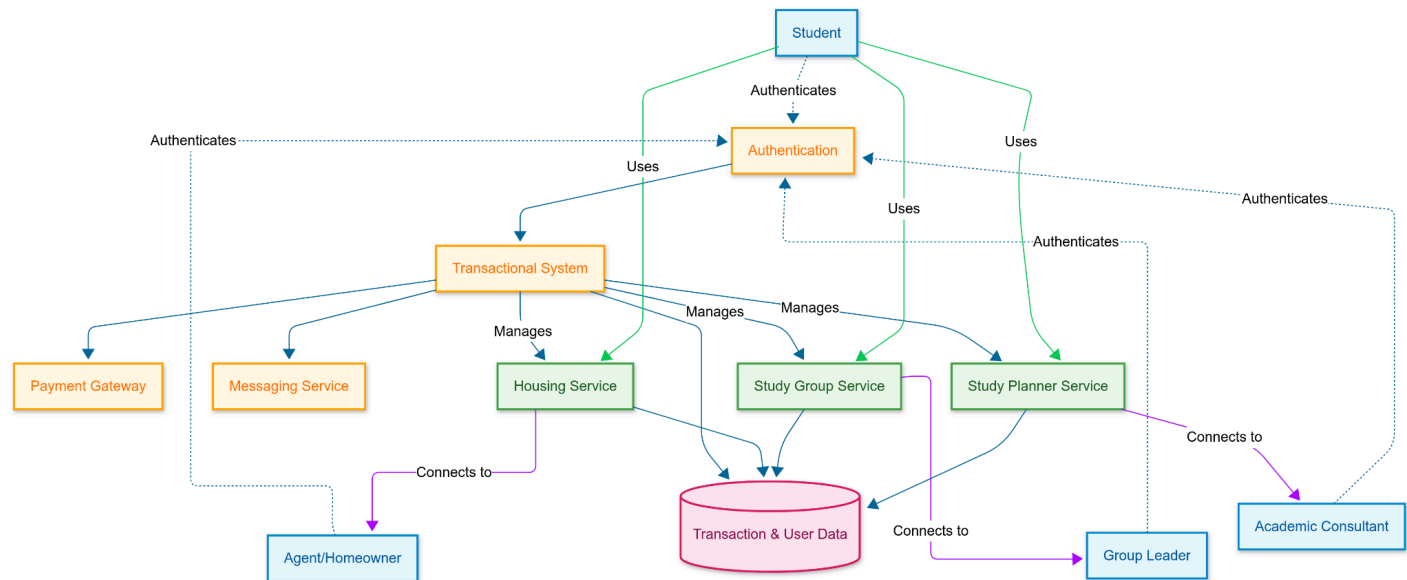


System Architecture



<https://www.mermaidchart.com/app/projects/d5949c85-030d-4ded-b57b-90626ce312bf/diagrams/4723de94-9e4f-4b73-a1dc-ee7bb94dad8a/version/v0.1/edit>

Pros and Cons of Payment-Based Transactional System


Pros	Cons
Sustainable Revenue Model: Provides clear income streams to support platform maintenance and development	Accessibility Barriers: May exclude financially constrained students who need support most
Value Differentiation: Creates natural tiers of service that align with user willingness to pay	Adoption Challenges: International students may be reluctant to pay before establishing trust
Quality Control: Paid features tend to attract more serious users, reducing spam in study groups and housing inquiries	Payment Complexity: Managing international payments adds technical complexity and compliance requirements

Resource Allocation: Helps manage limited resources (like study rooms) by adding a cost barrier	Higher Security Requirements: Payment processing increases security risks and compliance needs
Development Focus: Clearly identifies which features users value most through their payment choices	Community Division: May create "two-tier" community between paying and non-paying users
Partner Relationships: Creates monetization opportunities with housing agents and academic institutions	Value Demonstration Challenge: Must clearly show premium value to convert free users

Initial Draft UI Design

Smart Study Planner

Computer Science Course Roadmap



Basic Roadmap

Standard course progression

1

Semester 1, 2025

Foundations (24 credits)


- Introduction to Programming
- Mathematics for Computing

2

Semester 2, 2025


Core Concepts (24 credits)

- Data Structures and Algorithms
- Web Development




Unlock Premium Roadmap


Get personalized recommendations, career outcome analysis, and detailed course ratings!



Course ratings from past students



Career outcome analysis

 Upgrade for \$14.99/month

Smart Visual Housing Insights

Free Features

Premium Features



Basic Property Search

Search properties by location, price, and bedrooms



Simple Map View

See basic property locations on a map

Upgrade to Premium

Unlock advanced features to find your perfect home faster!

 [Unlock Premium \(\\$9.99/month\)](#)

Smart Study Group Finder




Statistics Fundamentals Study Group

 6/10 members  Tue, May 6th  3:00pm - 5:00pm

Join our weekly Statistics study group where we tackle practice problems and explain difficult concepts. This week we'll focus on probability distributions.

Basic Joining





Free

-  Join study group discussion
-  Access to shared notes
-  BYO study location

[Join Group](#)

Premium Booking

\$12.99

-  Everything in Basic
-  Reserved study room at library
-  Digital whiteboard access
-  Recording of session

 [Book Study Space](#)