

AI Study Platform – Design 2 Project Submission

Overview

Concept:

An AI-powered study platform that helps students learn more effectively, complete homework, and improve grades through intelligent and interactive features.

Platform: Website or Mobile App

Target Users:

- High school students
 - Students applying for college
 - Students taking hard or advanced classes
 - Students struggling academically or personally
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Purpose Statement

To assist students by providing instant academic support through AI tools that help them learn efficiently, complete assignments, and improve overall academic performance.

Core Features

- **AI Chat:** For study help, concept explanations, and tutoring
- **Upload Materials:** Allows users to upload notes, essays, or files
- **Login & Save Progress:** Saves sessions and personal study data
- **Flashcard & Study Guide Creation:** Generates learning materials automatically

- **Folder System:** Organizes subjects and classes neatly
- **Essay Analyzer:** AI learns the student's writing style for consistency

Prototype Includes:

A basic chat interface, file upload, data saving, and flashcard/study guide creation.

User Demographics

Category	Description
Age Range	14–20 years old
Education Level	High school and early college
Tech Familiarity	Comfortable with web and mobile apps
Pain Points	Difficulty organizing study time, understanding material, and managing stress

Value Proposition

The AI Study Platform helps students manage academic pressure by offering smart, instant, and organized support.

It uniquely combines AI-powered tutoring, essay feedback, and study tools into a single, accessible environment — helping students learn more efficiently and confidently.

User Research

Primary Method:

Prototype testing and Google Form survey completed by three target users.

Key Findings

- Students found the concept fun, useful, and stress-reducing.
 - Feedback emphasized simplicity, clear purpose, and smoother design.
 - Most-requested tools were AI chat, folders, and flashcards.
 - Some users requested better flow and clearer visual direction.
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Brainstorming Ideas

Idea	Integration
Gamified learning	Add streaks and badges for study consistency.
AI writing analyzer	Implemented as the “Essay Analyzer” tool.
Organized dashboard	Added folders and clear subject tabs.

Prototype Summary

Features Demonstrated:

1. AI Chat
2. File Upload System
3. Flashcard & Study Guide Generation

Tools Used: Figma

Flow Includes: Landing Page → Login → Dashboard → Chat → Flashcards

User Feedback Summary

User	Liked It?	Formatting Feedback	Animations	Layout Cluttered?	Other Comments
				?	s

Graham Schoenfeld	Maybe	"Make it not as chunky."	No	No	"Please make this better."
Kevin Autry	Maybe	"Make the art of stupid smart."	No	Not really	"Make bad AI good."
Yousuf	Yes	"Get a clear idea of what you want your website to be."	Yes	No	"Nah."

Identified Feedback Patterns

Pattern 1: Design Clarity & Refinement

Users felt the design was “chunky” and unclear in purpose or organization.

Interpretation: The layout feels visually heavy — spacing, hierarchy, and intent need refinement.

Related Quotes:

- Graham: “Make it not as chunky.”
- Yousuf: “Get a clear idea of what you want your website to be.”

Insight:

Simplify the interface, clarify text hierarchy, and make visual flow more intuitive.

Pattern 2: Weak Animation / Interactivity Experience

Two users said the animations were not good or absent.

Interpretation: The prototype’s lack of smooth interactions made it feel unfinished.

Related Quotes:

- Graham: “Please make this better.”
- Kevin: “Make bad AI good.”

Insight:

Animations and transitions should be smoother, faster, and more natural for a polished user experience.

Feedback Integration Plan

For Pattern 1 – Design Clarity & Refinement

Goal: Simplify the visual hierarchy and improve readability.

Action Step	Description
Layout & spacing audit	Reduce “chunky” visual blocks; balance padding and margins
Clarify section purposes	Ensure each page clearly communicates its function
Improve hierarchy	Standardize heading/body text sizes
Boost readability	Increase white space and contrast

Success Metrics:

- ≥ 80% of users report “cleaner” layout.
 - Shorter navigation times and better comprehension.
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For Pattern 2 – Animation & Interactivity

Goal: Improve animation smoothness and user engagement.

Action Step	Description	Responsible	Timeline
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Simplify transitions	Use fast, clean animations between screens	Frontend Dev	Week 1
Add hover/loading states	Provide visual feedback for interactivity	Developer	Week 2
Optimize motion curves	Use ease-in-out transitions (200–300ms)	Frontend Dev	Week 2

Design Improvement Summary

Area	Improvement
Frame Naming	Rename for clarity (“Landing,” “Dashboard,” “Chat,” etc.)
Visual Hierarchy	Create consistent heading and body text ratios
Accessibility	Improve color contrast and spacing consistency
Flow Organization	Separate into clear subflows (Onboarding, Dashboard, etc.)
Interaction Feedback	Add hover and loading indicators
Branding	Use one strong accent color for CTAs

Key Takeaways

- Students are highly interested in AI-assisted learning tools.
- The site should emphasize simplicity, usefulness, and reduced stress.
- Focus on clarity, animation quality, and consistent branding.
- Avoid unethical ideas (“blackmail creator”) — maintain educational integrity.
- Students value fun, easy-to-use tools that make studying engaging.

