

# Project Proposal

CS320 Spring 2025

Company Name:

Error 404

Application Name:

TypeChamp

Proposal ( $\geq 300$  words):

TypeChamp is an interactive application designed to help users improve their typing skills through structured lessons, real-time feedback, and competitive challenges. The primary goal of this application is to provide a fun and engaging environment where users can practice typing, track their progress, and compete with others to enhance their skills.

The core purpose of TypeChamp is to address common challenges in learning typing, such as lack of motivation, inefficient practice methods, and the absence of engaging competition. Many existing typing programs focus solely on repetitive exercises without incorporating interactive and competitive elements that keep users engaged. TypeChamp overcomes these limitations by integrating gamification, real-time competition, and progress tracking to create an immersive learning experience.

The intended audience includes students, professionals, and individuals of all ages who want to improve their typing speed and accuracy. It is particularly beneficial for students learning keyboarding skills, office workers who rely on efficient typing, and competitive gamers who need fast and precise keyboard usage.

Proposed Features:

1. Structured Typing Lessons – Users can follow guided lessons ranging from beginner to advanced levels, improving their speed and accuracy over time.
2. Multiplayer Typing Competitions with Leaderboards – Users can compete with others in live typing races, earning points and rankings based on performance. The ranking system rewards top performers with badges, achievements, and leaderboard positions to encourage engagement and competition.
3. Personalized Progress Tracking – The application provides detailed analytics on typing speed, accuracy, and improvement trends over time.
4. Customizable Practice Modes and Challenges – Users can choose different practice styles, such as timed exercises, accuracy challenges, or themed word lists. Users can create challenges that other users can play and get a ranking in.
5. Integrated Product Marketplace: A dedicated section to browse and purchase ergonomic keyboards, wrist rests, and typing guides, with filtering by user needs (e.g., “gaming,” “office use”).