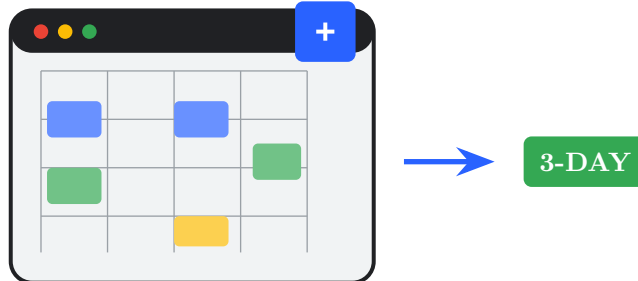


KARO TAKHLEEQ 2026

— Phase 1 Submission —

Smart Course Registration Chrome Extension

Optimizing Timetables. Minimizing Hassle. Maximizing Time.



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1. Problem Identification

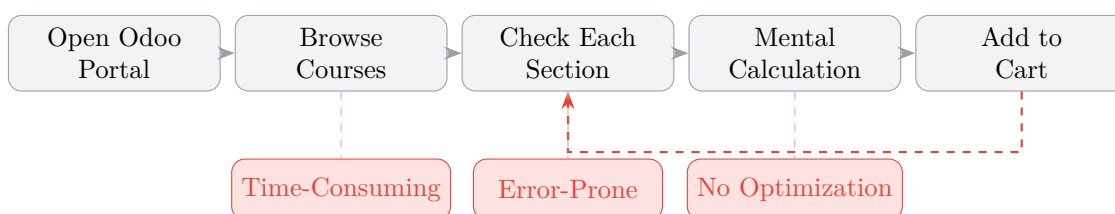
? What specific campus-life problem are you solving?

The UCP Odoo-based course registration system requires students to **manually browse** through course sections, checking timings and availability **one-by-one** using an add-to-cart system. Students must mentally calculate:

- ✗ Schedule conflicts between sections
- ✗ Gaps between consecutive classes
- ✗ Optimal distribution across campus days

This tedious **trial-and-error** process consumes **30 to 60+ minutes** each semester.

Current Registration Flow



? Who is most affected by this problem?

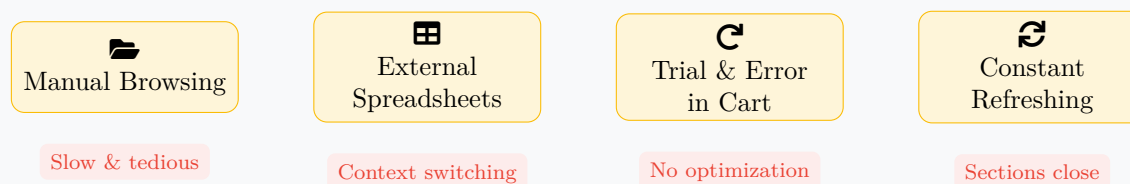


? How often does this problem occur?

2× per year (each semester) **32,000** registration sessions annually

Additional stress during **add/drop weeks** when sections rapidly open and close.

? How is this problem currently addressed, and why is it inadequate?



2. Impact & Relevance

? What negative impact does this problem have on students?



Time Waste



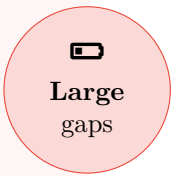
Poor Schedules



Reg. Anxiety



Physical Toll



Wasted Time

? How many students are likely affected?

Registration Sessions Per Year



Fall Semester



Spring Semester



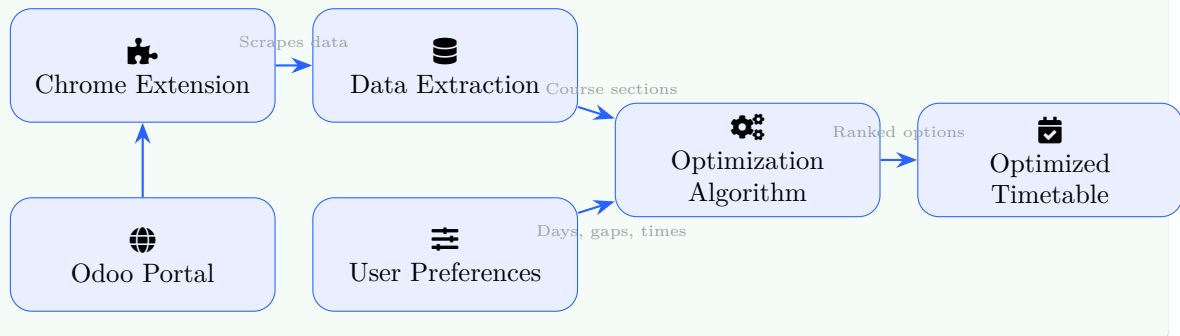
Total/Year

3. Solution Concept

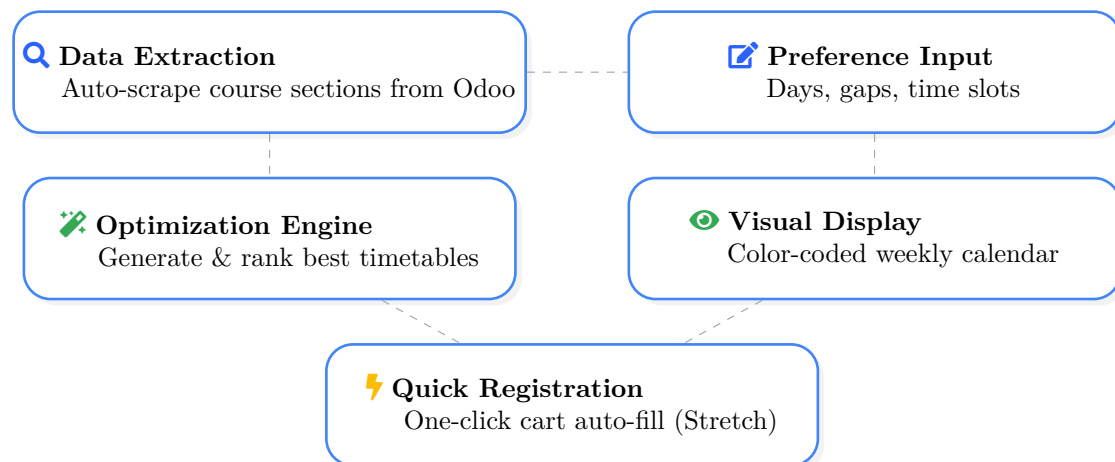
? Briefly describe your proposed solution

A **Chrome Extension** that integrates directly with the UCP Odoo portal to automatically extract course data, generate optimized timetables, and enable one-click registration.

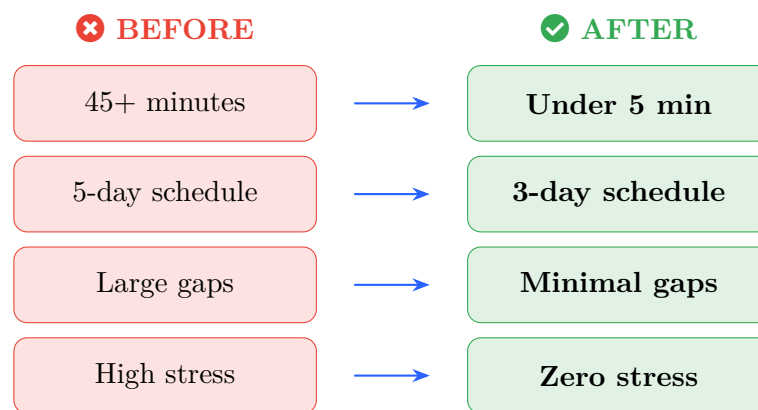
Solution Architecture



3.1 Core MVP Features



3.2 How does your solution improve the daily campus experience?



4. Users & Validation

? Who is your primary user?

HIGH PRIORITY



Commuter Students

Want fewer
campus days

PRIORITY



Time-Conscious

Need efficient
schedules

ALL USERS



All UCP Students

Frustrated with
current system

? How will you validate that they need your solution?

4.1 Phase 1 Validation (Today)



Quick Hallway Surveys

"How long does registration take?"



Student Interviews





8–10 students about experiences



Preference Poll

3 packed days vs 5 spread days?

4.2 Phase 2 Validation (Planned)

Method	Description
	Show mockups/wireframes of extension UI
	Demonstrate working prototype to 15–20 students
	Observe reactions and gather feature requests
	Validate optimization preferences

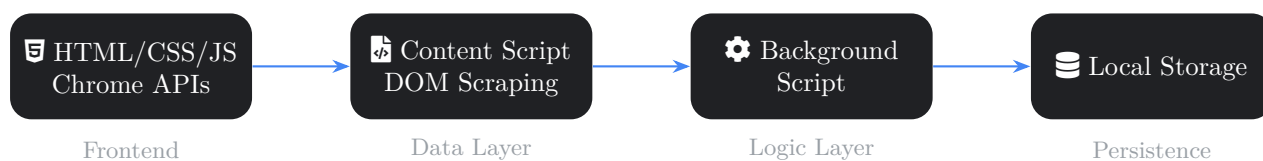
4.3 Validation Questions

- ? “How long does course registration typically take you?”
- ? “What’s the most frustrating part of registration?”
- ? “Do you prefer fewer days with packed schedule OR more days with gaps?”
- ? “Have you ever ended up with a schedule you weren’t happy with?”

❓ “Would you use a Chrome extension that auto-generates optimal timetables?”

5. Technical Approach

5.1 Technology Stack



5.2 Development Timeline



6. Expected Output Summary

- ✓ **Clear Problem Interpretation:** Students waste time manually building schedules in Odoo
- ✓ **Identified Target Users:** All 16,000+ UCP students, especially daily commuters
- ✓ **Solution Approach:** Chrome extension integrated directly with Odoo portal
- ✓ **High-Level MVP:** Auto-generate and rank optimized timetables based on preferences

 **Ready for Phase 2: User Research & Validation**

Building a solution that saves 40+ minutes per student, per semester