

Problem Statement (Full)

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Who: Undergraduate students at the University of South Carolina, often working in teams and using multiple platforms (Blackboard for assignments, GitHub for code, Discord for coordination).

What: Students lack an integrated, low-friction workflow to capture all upcoming tasks, deadlines, and team deliverables in one place; context switches cause lost information and missed checkpoints.

Where: Primarily in remote or hybrid coursework environments where communication and files are spread across LMS notifications, repository issues/PRs, and chat threads.

Why: Fragmented tooling leads to duplicated effort, missed announcements, and inefficient collaboration—especially during peak weeks when multiple courses and clubs demand attention.

Constraints / Assumptions:

- Must work with existing tools (read-only integrations are acceptable for a prototype).
- Should not require replacing Blackboard, GitHub, or Discord; instead, aggregate and organize.
- Mobile-friendly glanceable views are important for quick updates between classes.

Indicators of Success (at least two should be measurable in a pilot):

- Fewer missed deadlines (self-report + LMS submission timestamps).
- Reduced time spent finding links/files (self-reported weekly survey).
- Higher perceived team clarity on who is doing what (Likert scale 1–5).

One-Sentence Version:

USC students who juggle coursework across Blackboard, GitHub, and Discord need a single, low-friction way to track assignments, deadlines, and team tasks so they can reduce missed work and context switching.