

Logistics

Students need real-time info on busy vs open laundry rooms

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Machines often fill up at peak hours

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Laundry rooms differ in size across dorms

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Students make repeated unnecessary trips to check availability

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People leave clothes in machines too long

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Machines break without students knowing beforehand

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Laundry rooms get overcrowded at certain times

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App Features

Live machine availability tracker

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Timer that counts down your laundry cycle

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Notifications when cycle finishes

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“Notify me when a machine is free” button

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Ability to report broken machines

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Map of laundry rooms across campus

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Filter for closest or least busy room

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Technology

Sensors to detect active cycles

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On-machine QR codes to check status

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Cloud-based database for storing machine states

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IoT connection for real-time updates

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API for data flow between machines and app

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Problems / Challenges

Students ignoring notifications

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Someone removing others’ laundry

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People leaving laundry inside for long periods

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Wi-Fi issues in laundry rooms

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Machines without built-in sensors

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Privacy concerns about tracking student behavior

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User Experience & Behavior

Students want a quick way to check availability

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Clear visual indicators help students understand room status

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Users may want to pick specific types of machines

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Reminder nudges could reduce abandoned laundry

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Some students prefer text alerts over push notifications

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