

FINAL DEMO SCRIPT

Slide 1 — Intro

“Hi everyone, welcome to our demo of **Hoosier Hub**, our unified IU platform for discovering, booking, and managing campus spaces, labs, equipment, workshops, and tutoring sessions.

The platform is designed for:

- **Students** – to discover, book, and participate
- **Staff** – to publish and manage resources
- **Admins** – to oversee, approve, and analyze campus-wide usage

Our key capabilities include real-time availability, booking with recurrence, automated waitlists, messaging and notifications, reviews and ratings, and an AI-powered concierge that helps guide users through the system.”

Slide 2 — The Problem

“Today, campus resources are scattered across departments, Google forms, spreadsheets, and emails.

There’s:

- No centralized place to check availability
- Frequent double bookings
- Inconsistent approval logic
- No unified messaging or audit trail
- And no shared overview of usage

Students often don’t know what’s available, staff cannot easily manage demand, and admins have little visibility.”

Slide 3 — What Hoosier Hub Solves

“Hoosier Hub brings everything into one unified system.

We provide:

- A single hub for discovering and booking all campus resources
- Standardized approval workflows

- Real-time availability with a visual slot picker
- Role-aware publishing and booking behavior
- Automated waitlists with auto-promotion
- Messaging, notifications, and reviews
- And insights for admins like SLA metrics, usage by role or department, and top resources.”

Slide 4 — System Architecture

“Our system follows a clean layered structure:

- **Frontend:** Jinja templates, Bootstrap UI, reviews, booking calendar, messaging, and our Nova AI widget
- **Controllers:** Auth, Resources, Bookings, Admin, and Assistant APIs
- **Service Layer:** booking rules, slot builder, waitlist engine, notifications, AI concierge, and Google Boost search
- **DAL:** centralized CRUD for users, resources, bookings, and waitlists
- **Models:** users, resources, bookings, reviews, messages, notifications, waitlist, site pages
- **Database:** SQLite with lightweight migrations
- **Security:** Flask-Login, bcrypt, CSRF, and Talisman headers”

DEMO SECTION BEGINS

Preview Page

“When someone first visits Hoosier Hub, they see a preview page showcasing featured spaces.

They aren’t logged in yet, so any attempt to view full details or check availability prompts them to log in or register.

The preview page also highlights what Hoosier Hub is, testimonials from Hoosiers, and basic About/Contact information.”

Student Login & Home

“Now, let’s log in as a student.

On the homepage, students see:

- A shortcut to **View My Bookings**
- A button to **Publish a Space**
- The global navigation for Discover, Reviews, About, and Contact
- And a powerful search bar where they can filter by category, access type, capacity, date, and sort options.”

“They can also try **Boost with Google**, which calls the Google Custom Search API to enhance discoverability with smarter related terms.”

Discovering a Resource

“Scrolling down, students see all available resources with badges showing:

- Capacity
- Whether it’s public or restricted
- Whether it’s a top-rated resource

Clicking a resource opens the detail page.”

Resource Details

“On the resource page, students can:

- View the image, description, location, and ratings
- See available time slots through the color-coded slot picker (Available, Limited, Full)
- Read reviews
- And **message the owner** directly if they have questions

Students can leave a review only if they have completed a booking for that resource.”

Booking a Resource

“On the right is the booking panel.
Users pick:

- A start time and end time (whole-hour only)
- A purpose
- Optional recurrence, up to 10 occurrences

If the slot has availability, the booking is created immediately:

- **Public** resources auto-approve
- **Restricted** resources go to the owner for approval

If a student cannot submit due to an issue, they can use 'Request Admin Booking,' which sends the same form directly to admin."

Waitlist System

"If a slot is **full**, the user can join the waitlist.
Their waitlist entry appears under 'Waitlisted Requests.'

The system automatically **promotes** waitlisted users when:

- An owner rejects someone's booking
- An admin cancels a booking
- Or the original requester cancels manually

When auto-promoted, the user receives a notification and the booking moves into their MyBookings."

Publishing a Resource (Student)

"Students can also publish spaces.
They provide:

- Title, location, category, description
- A stock image or custom image link

Students can only choose basic community categories, and created resources automatically enter **Draft** status.

Admins receive a pending publish notification and decide whether to publish."

Publishing a Resource (Staff)

"Staff have extended privileges:

- They can select **any** category
- They can choose access type (public or restricted)
- Their resources are **auto-published** immediately

Under MySpaces, both students and staff can see:

- **My Resources**

- **Resource Bookings** for all bookings made on resources they own”

Owner Inbox

“All users who own resources get an **Owner Inbox**:

- A booking-requests inbox for restricted resource approvals
- A direct-messages inbox for conversations between owners and users”

AI Concierge (Nova)

“Once resources are published, any user — student, staff, or admin — can use the Hoosier Guide, our AI concierge named **Nova**.

Users type natural questions like:

‘How do I cancel a booking?’

Nova reads the system context and guides them directly to the correct page (My Bookings → Cancel).

Nova helps users quickly navigate the system without clicking around.”

ADMIN DEMO

Admin Login

“Logging in as admin reveals extended privileges.

Admins can’t publish their own resources, but they can manage everything campus-wide.”

Admin Notifications & Approvals

“First, admins see notifications for:

- Student-created resources waiting for publish
- Booking approvals
- Waitlist promotions
- Site activity

Clicking a draft resource allows the admin to approve and publish it.”

Admin Dashboard

“The Admin Dashboard gives complete oversight:

- Total users, resources, bookings

- Pending approvals
- Approval SLA and average response time
- Top resource utilization
- Bookings by role
- Resource types
- Usage by department
- Auto Summary Reporter showing top resources in the last week
- Recent bookings, resources, and users

This gives admins a complete real-time snapshot of campus activity.”

Admin Suite

“In the Admin Suite menu:

- **Resources:** edit, archive, or book a resource for someone
- **People:** deactivate or delete users
- **Bookings:** view, cancel, reschedule, or delete any booking
- **Admin Inbox:** handle book-for-me requests or owner approval workflows
- **Site Pages:** edit the About and Contact pages easily
- **Notifications:** mark notifications as read”

End

“And that concludes our demo of Hoosier Hub — a unified, role-aware resource and scheduling platform built to bring clarity, consistency, and efficiency to the IU campus community.”