

NOOBATHON

Disclaimer:

Participants are free to choose any problem statement based on their skills and comfort level. Some projects may be more challenging than others, requiring advanced UI/UX design and interactive features. While difficulty levels may vary, judging will take project complexity into account, and evaluation will focus on execution quality rather than full completion.

Teams attempting more challenging projects will not be penalized for partial implementation, provided they demonstrate a solid approach and effort.

Choose wisely, plan effectively, and most importantly—have fun building!



SupeWatch

In the chaotic world of *The Boys*, superheroes—or “supes”—aren’t just heroes; they’re celebrities, corporate assets, and, sometimes, public threats. With their activities impacting everything from city safety to global politics, there’s a dire need for a platform that keeps citizens informed about their whereabouts, recent exploits, and hidden controversies.

This hackathon challenges you to design **SupeWatch**, a cutting-edge news platform and superhero tracking system that empowers users to stay up-to-date on the supes’ latest movements, deeds (or misdeeds), and public appearances.

Core Features:

1. User Registration/Login:

- Implement a secure user authentication system for personalized experiences.
- Registration should collect details such as name, email, and preferred supe categories to track.

2. Supe Database and Tracking:

- Create a dashboard that lists all known supes, with details like name, superpowers, affiliations (e.g., The Seven), and current status (e.g., last spotted in [city], on a mission, in hiding).
- Allow for updates on their location and activities, manually or via mock API calls.

3. Newsfeed:

- Develop a news feed that aggregates supe-related stories, including rescues, public stunts, controversies, and corporate announcements.
- Add filters to sort supe activities by category (e.g., Heroic Acts, Collateral Damage, Scandals).

4. Incident Reports:

- Enable users to report supe sightings or incidents, including location, time, and description.
- Highlight verified reports on the platform

5. Search and Filter:

- Build a search feature allowing users to find supes based on name, affiliation, powers, or keywords in their latest stories.
- Add filters to sort supe activities by category (e.g., Heroic Acts, Collateral Damage, Scandals).

6. Social Interaction:

- Allow users to upvote or comment on news stories and incident reports.
- Add a trust factor system on users to show how reliable their updates are, so as to lessen the burden on the admins.

Brownie Points:

1. Crime Heatmap:

- Develop a heatmap that visualizes areas with high supe-related activity or incidents, using mock location data.

2. Supe Profiles:

- Add detailed profiles for supes with historical data, including past controversies, achievements, and fan ratings.

3. Responsive Design:

- Ensure the platform is mobile-friendly for users on the go.

4. Real-Time Alerts:

- Implement push notifications for major supe events or emergencies, like a supe going rogue or a city evacuation.

5. Analytics for Admins:

- Create an admin dashboard with statistics, such as the number of reports filed, most-searched supes, or areas with the most reported incidents.

The Legendary Hub

how i
met your
mother

Suit up! Step into *The Legendary Hub*, an interactive and nostalgic web app for **How I Met Your Mother** fans. This platform brings iconic moments to life with **character profiles, catchphrase generation, Barney's Playbook, and a Robin Sparkles sing-along**—all wrapped in a sleek, animated, and responsive design. With **dark mode, interactive elements, and a MacLaren's Pub-inspired aesthetic**, it's the ultimate HIMYM experience. **Challenge accepted?**

Core Features:

1. User Registration/Login:

- Create a basic authentication system with a registration form that collects:
 - Name
 - Email
 - Username
 - Favorite HIMYM Character
- Display a personalized welcome message featuring the user's favorite character after login or registration.

2. Animated Elements:

- Use CSS animations to enhance UI elements like buttons and images.
- Change the cursor design to series-inspired symbols (e.g., blue French horn or yellow umbrella).

3. Catchphrase Generator:

- Add a button that generates random HIMYM-inspired catchphrases like:
 - "Suit Up!"
 - "Wait for it... Legendary!"
 - "Challenge Accepted!"

4. Character Profiles:

- Create interactive, clickable cards for the main characters: Ted, Robin, Barney, Marshall, and Lily.
- Each profile should include:
 - A short bio.
 - Memorable quotes.
 - Fun facts (e.g., Barney's Bro Code).

5. Barney's Playbook:

- Add a section where users can swipe through Barney's iconic "playbook" with hilarious descriptions of each play.

6. Interactive Map of NYC:

- Include a map highlighting key locations from the series, such as MacLaren's Pub and Ted's Apartment.
- Users can click on a location to learn its significance in the show, along with fun facts.

7. Trivia Quiz:

- Add a fun, multiple-choice trivia quiz about the series.
- Reward users with "Bro Points" for correct answers.

8. GIF Wall:

- Display a scrolling wall of iconic HIMYM moments (e.g., the Slap Bet, blue French horn, Robin Sparkles).
- Allow users to click on GIFs to learn about the episode or context.

Brownie Points:

1. Dark Mode:

- Include a dark mode toggle to emulate the cozy ambiance of MacLaren's Pub.

2. Robin Sparkles Karaoke:

- Create a karaoke section with Robin Sparkles' iconic "Let's Go to the Mall."
- Include animated lyrics synced to the music (embed a YouTube link or audio file).

3. Responsive Design:

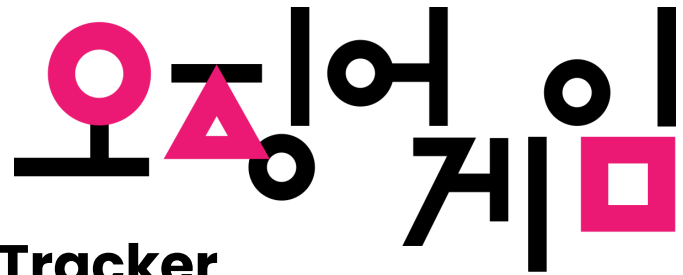
- Ensure the website works seamlessly across devices, offering a smooth experience on both desktop and mobile screens.

4. Legendary Challenge Mode

- A daily HIMYM trivia challenge with themed questions. Users can track their progress and see how well they know the show.

5. Ted's Destiny Tracker

- A fun personality quiz where users answer questions to get a HIMYM-style outcome, like their ideal career, soulmate, or life journey—just like Ted's endless search for "The One."



Squid Game

Participant Survival Tracker

The Squid Game is a high-stakes competition where participants face deadly challenges to win a massive cash prize. Your task is to create a data-driven frontend web application that tracks the status, progress, and elimination of participants across multiple rounds. The goal is to present the data in a clean, user-friendly, and immersive way while maintaining a Squid Game aesthetic.

Core Features:

1. Landing Page:

- A simple welcome screen with a Squid Game-inspired design.
- A "Start Tracking" button leading to the main participant dashboard.

2. Participant Dashboard:

- Display a list or grid of 456 participants, each with:
 - A unique participant number.
 - Status (Alive/Eliminated).
 - Rounds survived.
- A search and filter system allowing users to:
 - Search by participant number.
 - Filter by status (Alive/Eliminated).

3. Statistics & Insights Panel:

- Display key insights, such as:
 - Number of participants left.
 - Percentage of eliminations per round.

- Use simple charts or graphs (Chart.js or CSS-based bars) to present survival trends.

4. Participant Profile View:

- Clicking on a participant reveals:
 - Their current status.
 - Rounds they have passed.
 - A short, dynamically generated backstory (e.g., “Former banker from Seoul, desperate for money.”).

5. Easter Eggs & Immersive Details

- Hidden recruiter’s card for fans to discover.
- Piggy bank displaying the prize pool for an immersive experience.

6. Responsive Design:

- Ensure the app is mobile-friendly and adapts to different screen sizes.

Brownie Points:

1. Manual Elimination & Dynamic Rounds

- Users can manually select custom numbers for eliminations instead of a fixed progression.
- Smooth fading-out animations for eliminated participants and dynamic color changes as rounds progress.

2. Survivor Leaderboard & Progress Tracking

- Displays a list of participants who lasted the longest.
- Visual indicators to highlight remaining players and track eliminations.

3. Theme Toggle & UI Customization

- Switch between light mode and a Squid Game-inspired dark mode.
- Authentic grid structure designed to resemble the show's layout for added realism.

4. Responsive Design:

- Ensure the app is mobile-friendly and adapts to different screen sizes.

5. Engaging & Authentic Experience

- High-quality visuals and animations to enhance gameplay, inspired by the tension and aesthetics of Squid Game while maintaining user interactivity.

The Criminal Empire Dashboard



Walter White built an empire from the ground up, making strategic decisions, managing finances, and dealing with rival threats. Your task is to create a **frontend-only Criminal Empire Management Dashboard** that allows users to **track and analyze the growth of their "business"** in a Breaking Bad-themed interface.

This project focuses on **data visualization, UI/UX design, and interactive elements**, capturing the essence of **expanding an empire** by managing revenue, production, distribution, and risk factors—all presented through engaging UI components and charts.

Core Features:

1. Landing Page:

- A dark, cinematic Breaking Bad-inspired UI with green-tinted design elements.
- A "Start Empire" button leading to the main dashboard.

2. Empire Dashboard:

- Displays key stats like:

- Total Revenue: Money earned from sales.
- Meth Production Rate: Amount of product made per batch.
- Distribution Efficiency: Percentage of product successfully delivered.
- Law Enforcement Risk: A dynamically changing "Wanted Level" based on various factors.

3. Revenue & Risk Analytics:

- Simple line or bar charts to show revenue growth over time.
- A "Risk Meter" (similar to a heatmap) indicating law enforcement threats (e.g., DEA suspicion rising).

4. Operations Management Panel:

- Displays different locations for meth production (e.g., RV, Superlab, Warehouse).
- Each location has attributes like:
 - Cost to operate.
 - Production efficiency.
 - Risk level (e.g., RV = high risk but cheap; Superlab = expensive but low risk).

5. Interactive Risk System:

- If risk levels get too high, show a warning animation (e.g., DEA is onto you!).

6. Responsive Design:

- Ensure the app is mobile-friendly and adapts to different screen sizes.

Brownie Points:

1. Responsive Design:

- The app should adapt to different screen sizes for mobile/tablet use.

2. Easter Eggs & Thematic UI:

- Include Breaking Bad references, like:
 - A cash pile animation when revenue increases.

- The iconic "Heisenberg" hat appears when reaching a high level of success.

3. Leaderboards & Achievements:

- Display different "Empire tiers" based on revenue milestones (e.g., Jesse's Street-Level → Heisenberg's Empire).

4. Day/Night Mode:

- Toggle between "Cooking Mode" (bright lab setting) and "Fugitive Mode" (dark theme with intense red visuals).

5. Chemical Purity Tracking

- Introduce a "**Purity Score**" reflecting product quality—higher purity boosts revenue but increases DEA suspicion, with a dynamic graph tracking purity trends over time.

Central Perk: The Digital Café Experience



The legendary **Central Perk Café**, the heart of countless conversations, coffee dates, and unforgettable moments from *Friends*, is ready to go digital! This project challenges you to design an **interactive Central Perk Café website** that brings the charm of the iconic coffee shop to life online. Fans can **browse the menu, pick their favorite coffee, find the perfect seat, and even test their *Friends* knowledge**—all from the comfort of their screens.

With a focus on **engaging UI/UX, interactivity, and nostalgic details**, this platform recreates the warmth of Central Perk in a **fun, immersive, and fully responsive** experience.

Core Features:

1. Menu Dashboard

- Display a grid of café items with details such as:
 - Item name
 - Price
 - Category (Coffee, Food, Desserts)
- Search functionality to find specific items.
- Filter options to sort items by category.
- Special menu section highlighting iconic dishes from Friends episodes.

2. Seating Chart

- Interactive seating layout displaying table availability.
- Indicate whether tables are available or occupied.
- Filters to sort seating options based on:
 - Quiet Study
 - Social Space
 - Window View
 - Power Outlet Access

3. Virtual Barista Chat

- Simple chatbot feature where users can get drink recommendations.

4. Customer Reviews

- Display customer testimonials in a review section.
- Allow users to submit new reviews.
- Sorting options to view reviews based on newest or highest-rated.

5. Favorites & Shopping Cart

- Users can add menu items to a favorites list.
- Shopping cart functionality to add items for potential purchase.

6. Friends Easter Eggs

- Hidden clickable objects revealing references to the show.
- Special animations related to iconic Friends moments.

Brownie Points:

1. Theme Toggle

- Option to switch between light and dark mode.

2. Interactive Quiz

- Friends trivia with multiple-choice questions.
- Score tracking to monitor progress.
- Timed challenge with adjustable difficulty.

3. Loyalty Points System

- Users earn points for placing orders and completing quizzes.
- Points can be redeemed for discounts.

4. Responsive Design

- Ensure full responsiveness, including an adaptive menu and seating chart.

5. Customizable Coffee Builder

- Option for users to create their own coffee by selecting ingredients.