Connecticut Explored

Connecticut history, one good story after another

Tech Ballers
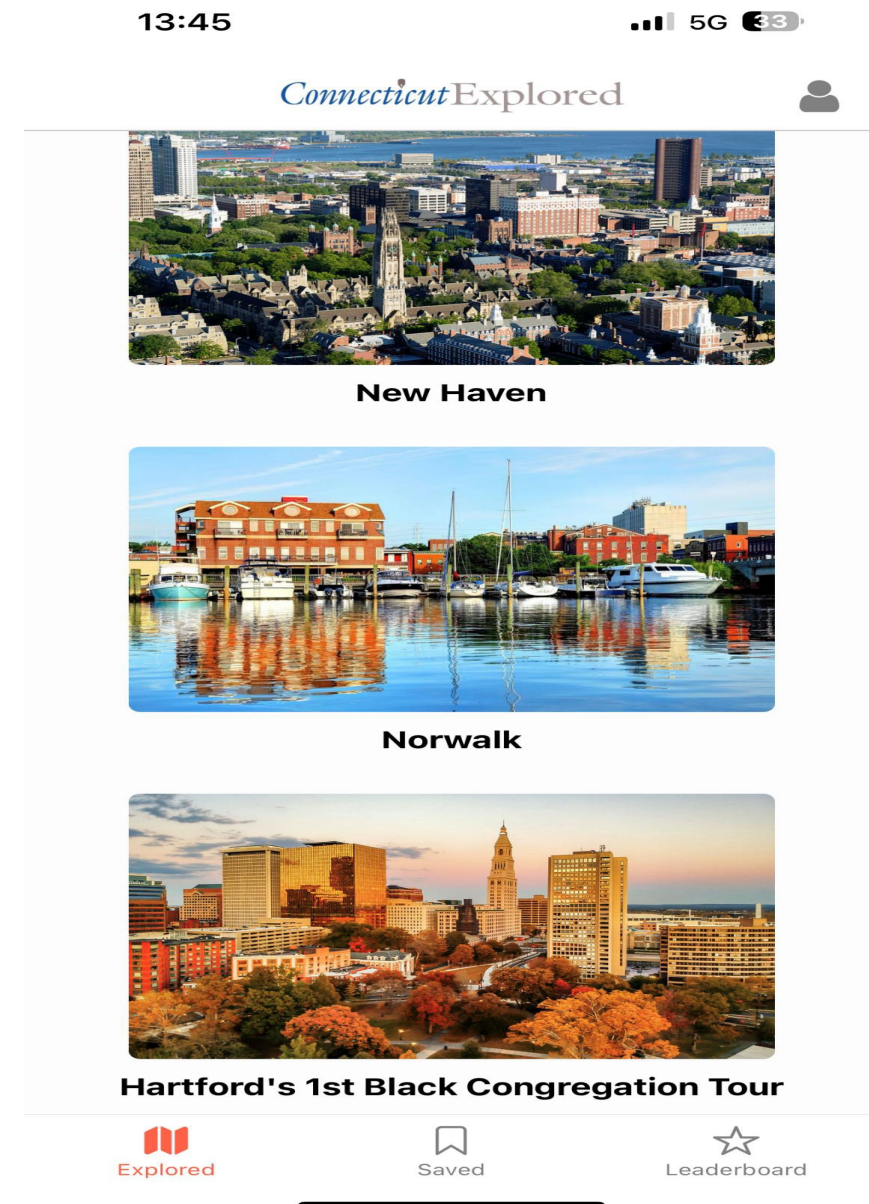
By: [redacted]

LAURA ROYS 1857

The Project

A mobile application designed for anyone eager to explore Connecticut's rich cultural and historical heritage.

Offers curated guided tours on an interactive map.

Social media integration with Instagram, connected to a leaderboard for more user engagement and prize opportunities.
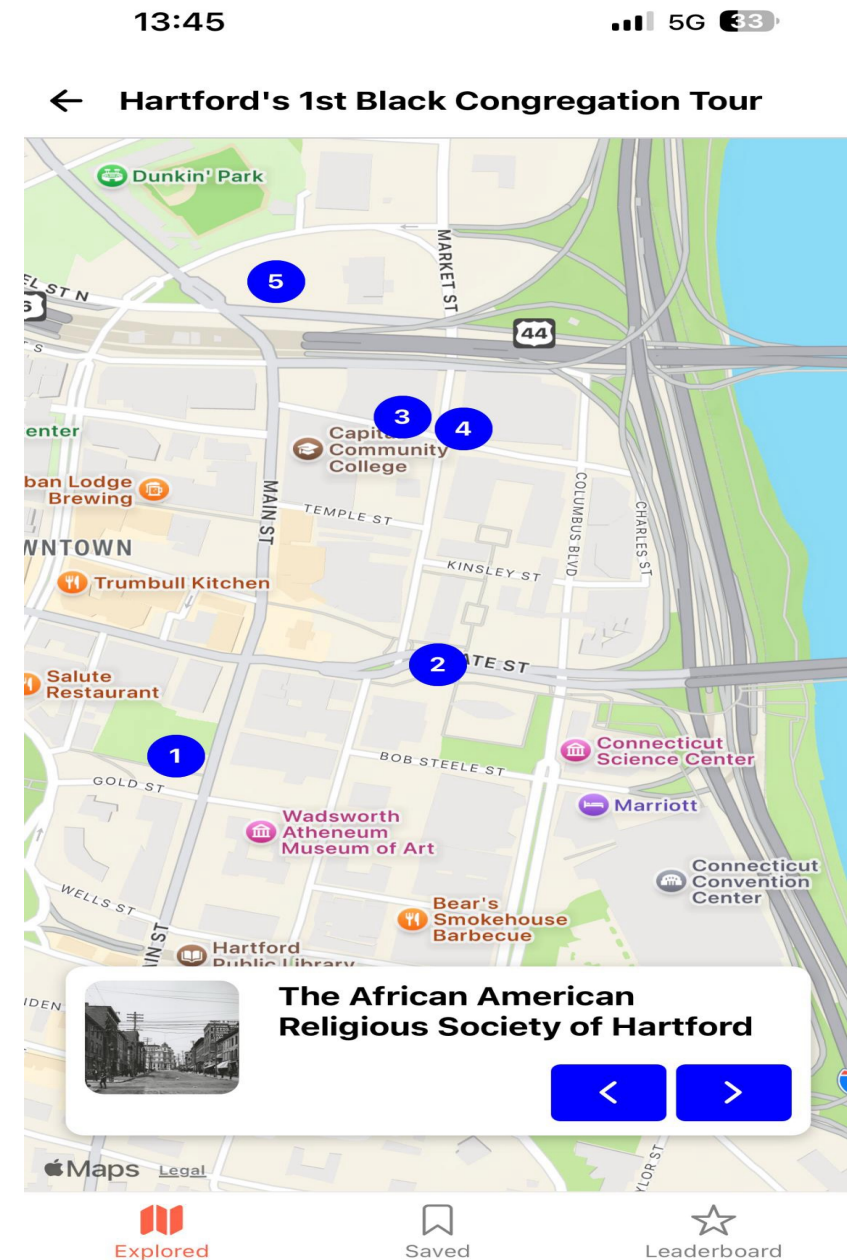
Goals

- **Increase user engagement**
- **Streamline navigation**
- **Enhance content accessibility**
- **Improve usability for all users**
- **Ensure long-term stability and Compatibility**

The African American Religious Society of Hartford

Explored   Saved   Leaderboard

Problem Domain

- **Lacks interactive features**
- **Difficulty in navigating between POIs**
- **Missing social media integration**
- **Lack of accessibility features**

Project Users and their Needs

- **Tourists and Local Explorers**

- **History Enthusiasts and Researchers**

- **Casual App Users**

- **Accessibility-Focused Users**

Functional VS Non-Functio

Functional Requirements:-

User Registration and Login: Users can sign up and log in via Google, Facebook, or Apple ID using OAuth authentication.

Interactive Tours: Users can view and navigate tours with Points of Interest (POIs) displayed on interactive maps. They can choose the type of tour they prefer, whether it's walking, cycling, or driving.

Photo Sharing & Leaderboard: Users can post photos from Points of Interest (POIs) to Instagram, earning points and competing on a leaderboard.

Leaderboard: A competitive feature that ranks users based on their shared content from the tours.

Tour Management (Admin): Admins can add, update tours and their POIs.

Geolocation: The app confirms whether a user is near a Points of Interest (POIs) before allowing photo uploads.

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🏅 Leaderboard 🏅

Rank	Username	Score
🥇	HollyMolly	99
🥈	ctexploreddev	25
🥉	user1	10
4	user1015	7
5	user101	6
6	minhctram	2
7	vinny daria	0

Explored   Saved   Leaderboard
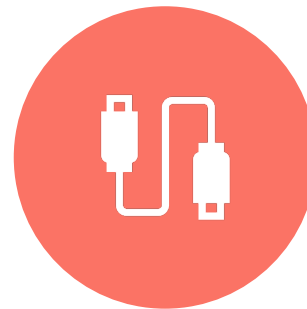
Non-Functional requirements

Performance: The app should load Points of Interest (POIs) and tours within 2 seconds.

Security: User data (login, leaderboard scores) should be encrypted.

Scalability: The app should handle up to 10,000 users simultaneously without performance degradation. .

Compatibility: The app must be compatible with IOS and Android platforms.

Product Backlog Highlights

Update UI to be more user friendly and less confusing. Implementation of "info" button to further help this.

Full Instagram implementation, including posting photos of POIs.

Instagram posts contribute to the leaderboard and prizes can be won.

Accessibility options, such as having POI descriptions being read out to the user.

Sprint Planning Strategies

- Meeting at the beginning of each sprint to discuss the user stories to be work on and to assign them.

- Weekly meetings with scrum master to discuss plans for sprint and to also review progress.

- Group programming for larger/more complicated stories.

- Frequent meetings with client to ensure we are meeting their needs

Lessons Learned

Navigating Non-Technical Client Communication: Client may not know what is feasible or what they actually want. We need to make sure we thoroughly understand each other.

Teamwork: Collaboration and regular check-ins helps in managing our work effectively.

Design: Currently our users are usually older and non-technical so our UI should be clear, and our app should have adequate instructions.

Thank You!