

Sprint 2 Report

Team Tech Ballers

[redacted]
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System Functionality at the End of Sprint 2

- During Sprint 2, we successfully implemented the following user stories, enhancing both the content quality and functionality of our app.

1. Article Links for POIs: As a user, I want to click on a link directly from a POI to access related Connecticut Explored articles, allowing me to learn more about each historical site.

- **Pre-Condition:** The user has selected a POI.
- **Post-Condition:** The app opens a link to a specific article from Connecticut Explored, providing additional historical context.

2. Redesigned Tours and Content Updates: Based on client feedback, we refined tours by updating images for better relevance and removed outdated demo tours.

- **Pre-condition:** The client provided updated images and identified content to be removed.
- **Post-condition:** The app displays the most accurate and visually appealing images for each POI, and demo tours no longer needed are removed.

3. Recommended Tour Modes: As a user, I want the app to recommend the best mode of transportation (e.g., walking, biking, or driving) for each tour to fit my preferences.

- **Pre-condition:** The user selects a tour.
- **Post-condition:** A suggested mode of transportation is displayed based on tour distance and terrain.

4. Instagram Linkage (Partial): As a user, I want to press the Instagram button and be redirected to the Instagram login page.

- **Pre-condition:** The user has tapped the Instagram button.
- **Post-condition:** The app redirects the user to Instagram's login page.

These updates enhance the app by providing more historical depth through article links, improved visuals and relevance through updated tour content, a personalized experience with tour mode recommendations, and a foundational step in Instagram integration.

Changes to the User Stories

- **Instagram Linkage (Partial):** Initially, this user story intended to fully link a user's app account with Instagram. However, due to challenges with Instagram token management, we only implemented the initial step: redirecting users to the Instagram login page. This partial completion provides a foundational step toward full integration, which we plan to complete in Sprint 3.

Lessons Learned

1. **The Importance of Communication:** Consistent communication, both with the client and previous developers, was crucial for successfully updating images and addressing token management issues for Instagram integration. This experience reinforced the value of open communication channels.

2. **Adaptability in Development:** Implementing external links and third-party integration taught us the need to stay adaptable. Unexpected challenges with external content and Instagram integration required us to adjust our sprint goals to keep progress steady.

What We Would Do Differently Next Time

- Next time, we would begin discussing third-party integration requirements (such as Instagram tokens) earlier in the sprint. This would give us ample time to resolve any dependencies or issues, avoiding delays. Additionally, we plan to schedule regular check-ins with the client to clarify content preferences early on.

Updated User Stories List

1. **Navigating Between POIs:** As a user, I would like to navigate between POIs easily so I can complete the tour without getting lost.

- **Pre-condition:** The user is on an active tour.
- **Post-condition:** The app directs the user to the next or previous POI.
- **Size:** 13
- **Priority:** High

2. **Instagram Integration:** As a user, I would like to post my photo to Instagram and contribute to my score on the leaderboard, so I can compete with others.

- **Pre-Condition:** User has linked Instagram account.
- **Post-Condition:** POI Photo posted by user on Instagram and leaderboard score updated.
- **Size:** 13
- **Priority:** Medium

3. **Implement Text-to-Speech for POI Descriptions:** As a user, I would like to implement text-to-speech for POI descriptions.

- **Pre-Condition:** The app provides a list of POI with descriptions.
- **Post-Condition:** Users can activate text-to-speech for any POI description.
- **Size:** 13
- **Priority:** Low

Updated Developer Stories List

1. **Leaderboard Prize Notifications:** As a developer, I would like to know when users obtain a certain number of points by posting to Instagram, so that I can send them the prize of their choosing.

- **Pre-Condition:** A user has passed the point goal by visiting POIs and uploading photos.
- **Post-Condition:** The app notifies and provides delivery and prize information to the client.
- **Size:** 13
- **Priority:** Medium

2. **Configure Accessibility Settings for Easy Navigation:** As a developer, I would like to configure accessibility settings for easy navigation (e.g., larger buttons, high contrast).

- **Pre-Condition:** The app provides guidelines or preferences for accessibility settings.
- **Post-Condition:** The app provides accessibility settings that users can toggle.
- **Size:** 8
- **Priority:** Low

3. **Maintenance Plan:** As a developer, I would like to ensure that updates to Android/iOS do not break the app, also a problem fixing manual, so users always have a smooth experience.

- **Pre-Condition:** A new OS version is released.
- **Post-Condition:** The app functions properly on all supported OS versions.
- **Size:** 8
- **Priority:** Medium

Next Sprint Planning

- For Sprint 3, we plan to implement about 26 story points. We will be working on these user stories.

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- **Size:** 13
- **Priority:** Medium

2. **Leaderboard Prize Notifications:** As a developer, I would like to know when users obtain a certain number of points by posting to Instagram, so that I can send them the prize of their choice.

- **Pre-Condition:** A user has passed the point goal by visiting POIs and uploading photos.
- **Post-Condition:** The app notifies and provides delivery and prize information to the client.
- **Size:** 13
- **Priority:** Medium

At the end of Sprint 3, the app will have full Instagram integration, and the leaderboard will be updated with the ability to send notifications to the client when a user has won a prize.