

SlugFind Release Summary

06/04/2024

Key user stories and acceptance criteria:

- **User Story #1:** As a student, I want to place markers for classrooms and lecture halls to help myself and other students locate classrooms quicker and more efficiently.
 - User stories in #1:
 - As a user, I want to place markers so others can see where a certain class is.
 - As a user, I want to see markers placed by other users.
 - As a user, I want any additional information on the class so I can find it easier or know what it is about.
 - Acceptance Criteria:
 - Markers implemented: ✓
 - Markers added to database and updated real time: ✓
 - Markers shown locally and globally: ✓
 - Optional info text box when placing markers: ✓
 - Choosing floor number on placing markers: ✓
 - Switch on map to show markers on different floors: ✓
- **User Story #2:** As a user, I want to report incorrectly placed markers to make sure all markers are accurate for other users.
 - User stories in #2:
 - As a user, I expect the markers to be accurate and reliable.
 - As a user, I want to report a bad marker when it does not correctly represent a location.
 - As a user, I want to see verified markers with correct locations on the map so I can find my class.
 - Acceptance Criteria:
 - Report button added on markers: ✓
 - Reports added into database: ✓
 - Reports shown to devs on intro screen: ✓
 - Text box for user to give reason of reporting: ✓
- **User Story #3:** As a user, I want an easy access search bar to let me find my destination building or classroom marker and locate it for me on the map.
 - User stories in #3:
 - As a user, I want a search bar that's easy to find. It should let me type in the name of my destination right next to the map.
 - As a user, I want to have very precise accurate results on my searches.

- As a user, I expect to search for markers and locations.
 - Acceptance Criteria:
 - Have implemented search bar: ✓
 - Search bar works with Google Maps API: ✓
 - Search bar works with locating markers: ✓
- **User Story #4:** As a user, I want to be able to have greater control over the map to help me view the location I'm searching for clearly.
 - User stories in #4:
 - As a user, I want to be able to zoom in on the map to see the name of specific buildings on campus.
 - As a user, I want to be able to zoom out from the map to see the whole campus layout.
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 - Acceptance Criteria:
 - Zoom in button working: ✓
 - Zoom out button working: ✓
- **User Story #5:** As a user, I want to sign into an account so I can always have my local markers saved so I always know where my specific classes are.
 - User stories in #5:
 - As a user, I want my data to be stored so I can get real time updates on pings and stay signed in.
 - As a user, I want to sign in so I can have my pings saved.
 - Acceptance Criteria:
 - Sign in screen: ✓
 - Sign in works with database: ✓
 - Sign in saves local markers: ✓
 - Local/Global switch implemented correct: ✓
- **User Story #6:** As a user, I want dark mode so I can see better at certain times of the day.
 - User stories in #6:
 - As a user, I want the pictures on the app to be better suited for dark mode so I do not hurt my eyes when changing to dark mode.
 - As a user, I want to sign in so I can have my pings saved.
 - Acceptance Criteria:
 - Dark mode switch implemented: ✓
 - Map turns dark on switch: ✓
 - Non map areas turn dark on switch: ✓
 - Certain pictures turn dark on switch: ✓
 - Acceptance Criteria:
 - Sign in screen: ✓

- Sign in works with database: ✓
 - Sign in saves local markers: ✓
 - Local/Global switch implemented correct: ✓
- **User Story #7:** As a user, I want the amount of markers to decrease when I zoom out so it is not extremely clustered.
 - User stories in #7:
 - N/A
 - Acceptance Criteria:
 - Set markers for each college:
 - Markers cluster when zoomed out:
 - Markers uncluster when zoomed in:

Known Problems:

- Buildings not showing up on Android
- Map looks different on Android startup occasionally, black roads.
- Incorrect centering on clicking a marker while the popup window is up, marker goes to the top left corner of the screen on IOS.

Product Backlog: Provide a list the high priority user stories and bug fixes that can serve as a guide for a follow-on project.

- As a user, I want to make one big marker for each college/building to cluster in all markers inside for better visibility overall.
- As a club leader, I want to check the class schedule for a certain classroom so I know an open time for my club to meet.
- As a user, I want directions to markers because many classrooms are not on any other direction based maps.
- As a user, I want my current location to be displayed to easily show how close I am to current markers on the map.
- As a user, I want the buttons on dark mode to have a different font so I can see them better. (Bug fix)