

## Exploration Testing

### Bug 1: App Crashes on Scrolling Quickly

- **Summary:** The app crashes when scrolling quickly to the bottom of the homepage.
- **Steps to Reproduce:**
  - Open the WikiApp.
  - Start scrolling down rapidly.
  - Keep scrolling until the app crashes.
- **Observed Behavior:** The app crashes and closes unexpectedly.
- **Expected Behavior:** The app should handle rapid scrolling without crashing.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** High
- **Recommendation:** Optimize memory management and implement a throttling mechanism for scrolling.

### Bug 2: Search Bar Freezes

- **Summary:** The search bar freezes and becomes unresponsive when entering special characters repeatedly.
- **Steps to Reproduce:**
  - Tap on the search bar.
  - Enter special characters continuously (I tried @@@@(@@).
  - Try to delete or modify the input.
- **Observed Behavior:** The search bar freezes, and no further interaction is possible until the app is restarted.
- **Expected Behavior:** The search bar should handle special characters without freezing.
- **Environment:**
  - Device: Samsung Galaxy S21

- Android Version: 11
- App Version: 2.9.2
- **Severity:** Medium
- **Recommendation:** Add input validation and error handling for special character sequences.

### **Bug 3: "My Lists" Fails to Load**

- **Summary:** Clicking on "My Lists" displays a blank page with no data.
- **Steps to Reproduce:**
  - Launch the app.
  - Navigate to "My Lists" from the bottom menu.
  - Observe the screen.
- **Observed Behavior:** The screen is blank, and no lists are displayed.
- **Expected Behavior:** The app should display saved lists or a message indicating no lists are available.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Medium
- **Recommendation:** Ensure proper data retrieval and display mechanisms for "My Lists."

### **Bug 4: Nearby Functionality Shows Incorrect Results**

- **Summary:** The "Nearby" feature displays results from a completely different location.
- **Steps to Reproduce:**
  - Open the app.
  - Navigate to the "Nearby" tab.
  - Observe the results.

- **Observed Behavior:** Results displayed are unrelated to the user's current location.
- **Expected Behavior:** The app should display results based on the user's GPS location.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** High
- **Recommendation:** Verify GPS integration and location-based result fetching logic.

#### **Bug 5: OTP Screen Not Functional**

- **Summary:** The OTP input screen does not allow input after login.
- **Steps to Reproduce:**
  - Log in with valid credentials.
  - Wait for the OTP screen to appear.
  - Try entering the received OTP.
- **Observed Behavior:** The input fields are unresponsive, and the user cannot proceed.
- **Expected Behavior:** The app should allow users to input the OTP and proceed.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Critical
- **Recommendation:** Debug and fix input field behavior on the OTP screen.

#### **Bug 6: Settings Options Not Saved**

- **Summary:** Disabling options in settings is not retained after returning to the home page.
- **Steps to Reproduce:**
  - Navigate to the Settings page.
  - Disable all available options.

- Return to the home page and revisit Settings.
- **Observed Behavior:** All settings revert to their default states.
- **Expected Behavior:** Disabled settings should remain unchanged until modified again.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Low
- **Recommendation:** Ensure proper persistence of user preferences in the settings module.

#### **Bug 7: Dark Mode Not Fully Functional**

- **Summary:** Switching to Dark Mode does not apply to all app sections.
- **Steps to Reproduce:**
  - Enable Dark Mode from the Settings menu.
  - Navigate through different sections of the app.
- **Observed Behavior:** Some sections, like "History," remain in light mode.
- **Expected Behavior:** Dark Mode should apply uniformly across all app sections.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Low
- **Recommendation:** Apply consistent theming across all app components.

#### **Bug 8: Slow Loading Times**

- **Summary:** Pages take a significant amount of time to load, especially under "Explore."
- **Steps to Reproduce:**
  - Open the app.
  - Navigate to "Explore" and observe the loading time.

- **Observed Behavior:** Pages take 5–10 seconds to load, even on a stable internet connection.
- **Expected Behavior:** Pages should load within 1–2 seconds on a stable connection.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Medium
- **Recommendation:** Optimize API calls and data fetching processes.

#### **Bug 9: Notification Not Received After Successful Login**

- **Summary:** No notification is sent after logging in from a new device.
- **Steps to Reproduce:**
  - Log in with valid credentials from a new device.
  - Check for a notification indicating successful login.
- **Observed Behavior:** No notification is received.
- **Expected Behavior:** A notification should inform the user of the successful login.
- **Environment:**
  - Device: Samsung Galaxy S21
  - Android Version: 11
  - App Version: 2.9.2
- **Severity:** Medium
- **Recommendation:** Ensure push notification service is configured and working.