**TEST PLAN FOR ABLESPACE APP**

**1.Test Plan Identifier**

Test Plan ID: TP\_AS\_001

Version:1.0

Date: October 2024

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Reviewed by:[Name of reviewer]

**2.Introduction**

This test plan outlines the testing approach for AbleSpace app’s data tracking screen. The goal is to ensure all features on the data tracking screen work as expected. To ensure that it meet usability and performance standards, and comply with accessibility and security requirements. This test plan also ensure all the functional features of the data tracking screen will meet the functional requirement as expected by standard user .

**3.Objective**

To validate the functionality, usability, security, and performance of the data tracking screen feature within AbleSpace app, including goal tracking, data visualization(graph), collaboration, and data security features.

**4.Scope of the test plan**

The testing will cover the following features of the AbleSpace app’s data tracking screen:

* User interface
* Data input
* Data Tracking
* Graph and report generation
* Accessibility and security compliance

**5. Features to be Tested**

1. Navigation: Testing done on clicking on the "Take Data" button navigates correctly to the data tracking screen.
2. Goal Tracking: This feature should have the ability to add, edit, and delete student goals and data points.
3. Data Visualization: Generation of graphs and progress reports based on entered student data.
4. Collaboration: Multiple users (teachers) can collaborate on entering and reviewing data.

Also has an feature to invite assistants using“Invite assistant” button by entering their email.

1. Service time: Tracking the duration of services provided to a student, includes attendance, time spend and service type.
2. History: Allows users to view a detailed record of past data entries, actions, or changes over time of students. This feature is especially useful for maintaining transparency, ensuring accountability, and tracking progress.
3. Assignment: This feature allows users to create, administer, and track evaluations to measure progress or performance against predefined objectives, goals, or standards.

**6. Features Not to be Tested**

* Admin dashboard features.

**7. Testing Approach**

The testing will follow the black-box testing approach, focusing on the functional aspects of the system without considering the internal code. It will include:

* Manual Testing: For UI, functionality, and usability.
* Automated Testing: For regression testing after initial feature testing is complete.
* Performance Testing: Load and stress testing for handling large data sets.

**8. Test Deliverables**

* Test cases
* Test execution reports
* Bug/defect reports
* Performance testing report

**10. Test Environment**

* Devices: Desktop (Windows, macOS), Mobile (iOS, Android)
* Browsers: Chrome, Firefox, Safari, Edge

**11. Entry Criteria**

1. Requirements Finalized

Clear descriptions of features such as goal tracking, service time logging, and data visualization must be available.

2. Test Environment Set Up

A stable testing environment, including the AbleSpace app (both web and mobile versions if applicable), should be deployed and accessible

3.User Accounts and Permissions

Test accounts with appropriate roles (e.g., special education professionals, therapists) should be created and configured to access the data tracking screen.

4. Test Data Availability

Dummy student profiles with goals, service schedules, and other necessary data must be available for realistic testing scenarios.

5. Test Plan and Test Cases Prepared

Each feature of the data tracking screen, including data capture, tracking, and visualization, should have associated test cases.

6.Security and Compliance Standards

7. Bug Tracking System

**12.Exit Criteria**

* + All Test Cases Executed
  + Performance Benchmarks Met
  + No High-Priority Defects
  + Regression Testing Passed
  + Usability and Accessibility Standards Met
  + Test Summary Report Completed

**13. Risks and Assumptions**

* Delays in test environment setup.
* Changes in requirements after test cases are designed.

**14. Approvals**

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Name** | **Signature** | **Date** |
| Test lead |  |  |  |
| QA manager |  |  |  |

**Bugs Identified**

**1. Data Entry Issues**

Slow Response on Data Entry: Delays in inputting data, especially when large amounts of information or multiple goals are being tracked simultaneously.

Incomplete Data Submission: experienced an issue where not all entered data is saved or submitted properly, especially in longer tracking sessions.

**2. Graph and Report Generation Bugs**

Incorrect Data Representation: Charts or progress reports may fail to accurately reflect the entered data.

Graph Not Updating: After entering new data, the graph might not refresh immediately or at all

**3. Navigation Problems**

Back Button Glitches: The back button may not function properly, causing users to lose data if they try to navigate between screens.

4. **Service Time Logging Issues**

Missing Time Entries: In some cases, logged service times might disappear from the system or fail to display in the summary.

**5.UI/UX Bugs**

Alignment and Display Issues: Certain UI elements (like buttons, dropdowns, or text fields) could overlap or fail to resize properly on smaller screens or in different browsers