Version 1.0.0 Release Notes

Sorting Algorithm Plug-in

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New Features:

1. **LTI Integration with Moodle:*****

   - Seamless integration with Moodle Learning Management System using LTI (Learning Tools Interoperability) for easy deployment in educational environments.

2. **Sorting Algorithm Practice:**

   - Introduces a dedicated module for sorting algorithm practice and testing.

   - Users can engage in hands-on sorting algorithm exercises to enhance their understanding.

3. **Interactive Learning Environment:**

   - Provides an interactive and user-friendly interface to facilitate an engaging learning experience.

4. **Algorithm Choices:**

   - Multiple sorting algorithms available for practice, including Bubble Sort, Quick Sort, Merge Sort, and more.

Testing Module:

1. **Customizable Tests:**

   - Inclusion of customizable tests allowing educators to tailor assessments based on specific learning objectives.

2. **Real-time Feedback:*****

   - Instantaneous feedback on algorithm performance, guiding users to understand the efficiency and correctness of their implementations.

3. **Performance Metrics:*****

   - Detailed performance metrics and visualizations to help users analyze the efficiency of their sorting algorithms.

User Experience:

1. **Responsive Design:**

- Ensures a seamless experience across various devices, promoting accessibility for both desktop and mobile users.

2. **Progress Tracking:**

   - User-friendly dashboards to track individual progress, providing a clear overview of completed exercises and test results.

3. **Visualizations:**

   - Enhanced visualizations illustrating sorting algorithms in action, aiding in comprehension and retention.

Bug Fixes and Improvements:

1. **Enhanced Stability:**

   - Addressed any reported issues to ensure a stable and reliable user experience.

2. **Performance Optimizations:**

   - Fine-tuned app performance for a smoother experience, especially during algorithm simulations and assessments.

Future Roadmap:

1. **User Profiles:**

   - Upcoming feature to introduce user profiles for personalized learning journeys.

2. **Additional Sorting Algorithms:**

   - Continual expansion of the sorting algorithm repertoire to offer a comprehensive learning experience.

3. **Integration Enhancements:**

   - Ongoing improvements to LTI integration for seamless compatibility with evolving Moodle features.

Thank you for choosing our app to enhance sorting algorithm proficiency. We welcome your feedback for future enhancements. Happy learning and sorting!