

Test Key	Key	T _T Test Scenario	T _T Test Case	T _T Test Steps	T _T Test Data	T _T Expected Result	T _T Actual Results	Pass/Fail
TC-MAPP-US2	MAPP-US2	Student using a visual and interactive resource to understand a math topic	Enter math problem	1. Login as student. 2. Enter math problem 3. Click "Submit your problem" 4. Choose resource with visual/interactive problems	Practice problem with visual elements and interactive features	Student should be able to log in, enter a math problem, submit it, and then be presented with visually engaging and interactive learning resources tailored to solve that specific problem.	Mapp identified math problem and classified it appropriately and provided learning resources	Pass
TC-MAPP-US3	MAPP-US3	Student accessing resource with explanations and scaffolded help to understand their homework	Enter math problem	1. Login as student. 2. Enter math problem 3. Click "Submit your problem" 4. Choose resource with scaffolded example problems	Practice problem with appropriate learning level settings	Student should be able to enter a math problem, receives an explanation of the relevant concept, and should be able to access the scaffolded problems to help them to understand and solve the problem.	Mapp identified math problem and classified it appropriately, provided learning resources, and practice problems	Pass
TC-MAPP-US4	MAPP-US4	Student accessing their learning path profile with saved progress	Verify learning path profile	1. Login as student. 2. Click "Submit your problem" 3. Click "Learning Path" section	1. Valid student account 2. Student saved progress 3. Student's learning path	The profile should display student's complete learning path with progress trackers for each activity.	Track and monitors students' progress	Pass
TC-MAPP-US5	MAPP-US5	Student is accessing and switching between learning materials from my textbook and online platforms within the app	Verify the teacher can switch from one platform to another	1. Login as student. 2. Click "Submit your problem" 3. Click "Textbook" or "Learning Platform" section 4. Choose practice problems	1. Valid student account 2. Connection to textbook and school learning platform	Student should be able to access the learning resource page (textbook or online platform) and select specific practice problems. Student should also be able to switch back to choose problems from the other resource within the app.	Student are able to access the learning resource but not able to switch between different content	Fail
TC-MAPP-US6	MAPP-US6	Student accessing problems that align with the SAT or Regents	Enter SAT or Regents math problem	1. Login as student. 2. Click "Submit your problem" 3. Choose practice problem 4.	1. Valid student account 2. Valid SAT or Regents practice problems	Student should be able to choose a practice problem category aligned with SAT/Regent	Student are able to access aligned standardized practice problems	Pass
TC-MAPP-US8	MAPP-US8	Teacher is able to create personalized learning paths for the students based on their performance.	Verify personalized learning path	1. Login as teacher. 2. Click "Generate Learning Path" 3.	1. Valid teacher account 2. Valid student profile 3. Student's learning path	Teacher should be able to use the system to generate personalized learning paths for students.	The students are able to get targeted resources but the application does not provide personalized learning path.	Fail
TC-MAPP-US9	MAPP-US9	Teacher is able to monitor student's progress	Verify the teacher can view student's progress in real time	1. Login as teacher 2. Click "Choose student profile" 3. Click "Student progress" 4.	1. Valid teacher account 2. Students completed assignments (correct or incorrect)	The teacher should be able to access student profiles, navigate to the "Student Progress" section, and view a clear breakdown of completed homework and practice problems.	The teacher will be able to monitor students' progress	Pass
TC-MAPP-US10	MAPP-US10	Teacher is able to access support resources for tutorials/professional development	Verify that teacher can access PD resources	1. Login in teacher. 2. Click "Teacher's Resources" 3.	1. Valid teacher account 2.	The application provides professional development resources	The application hasn't tested this feature	Fail
TC-MAPP-US11	MAPP-US11	Teacher is able to access practice problems while monitoring student's progress	Verify that teacher can assign practice problems and track student progress on personalized learning paths.	1. Login in teacher. 2. 3.	1. Valid teacher account 2.	The teacher is able to view the content area problems that student is struggling with	Teacher is able to monitor students' progress and identified what the student is struggling with	Pass
TC-MAPP-US12	MAPP-US12	Teacher is able to view test-aligned resources (Alg2 Trig and Precalc)	Verify that teacher can access specific aligned resources designed for the standardized tests	1. Login in teacher. 2. 3.	1. Valid teacher account 2.	The application should allow the teacher to view the aligned-test resources that the students can see	Teacher can view test-aligned resources that the students see	Pass
TC-MAPP-US15	MAPP-US15	Tutor is able to monitor student's progress	Verify that the tutor can view student's progress (homework and practice problems)	1. Login as tutor 2. Click "Choose student profile" 3. Click "Student progress" 4.	1. Valid tutor credentials 2. Students completed assignments (correct or incorrect)	The tutor should be able to access student profiles, navigate to the "Student Progress" section, and view a clear breakdown of completed homework and practice problems.	The tutor will be able to monitor students' progress	Pass

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TC-MAPP-US16	MAPP-US16	Tutor is able to receive student's questions and teacher's clarifications	Verify functionality for receiving questions asked and clarifications	1. Login as tutor 2. 3.	N/A	N/A	The application hasn't tested this feature	Fail
TC-MAPP-US17	MAPP-US17	Tutor is able to view student's interactive learning activities	Verify functionality for accessing and utilizing learning activities	1. Login as tutor 2. Click "Choose student profile" 3.	1. Valid tutor creds 2. Student account 3. Valid interactive activities	The tutor should be able to log in, access a list of assigned students, select a student, and launch and interact with the chosen interactive learning activity within the student's lesson plan.	Tutor is able to view student's interactive progress activities	Pass