

Test Cases for TimeTable Management System

-Varshitha M K (15IT151)

Test Focus	Test Description	Pre & Post conditions	Test Steps	Test Data	Expected Result	Actual Result	Test Result
Student Sign Up	To test Sign Up functionality of Student	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Student Button 3. Click on Sign Up button 4. Enter Username 5. Enter Password 6. Confirm Password 7. Press Create Account 	<ol style="list-style-type: none"> 1. Same Password and Confirm Password 2. Different Password and Confirm Password 	<ol style="list-style-type: none"> 1. Should Create Account 2. Should not create Account 	<ol style="list-style-type: none"> 1. Correct 2. Correct 	<p>Pass</p> <p>Pass</p>
Student Sign In	To test Sign In functionality of Student	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Student 3. Click on Sign In Button 4. Enter Username 5. Enter password 6. Press Sign In button 	<ol style="list-style-type: none"> 1. Correct Username correct password 2. Correct Username wrong password 3. Wrong Username correct password 4. Wrong Username wrong password 5. Empty Username field non-empty password 	<ol style="list-style-type: none"> 1. Should Sign In 2. Should not Sign In 3. Should not Sign In 4. Should not Sign In 5. Should not Sign In 6. Should not 	<ol style="list-style-type: none"> 1. Correct 2. Correct 3. Correct 4. Correct 5. Correct 6. Correct 	<p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p>

				6. Non-empty Username field empty password 7. Empty Username field an empty Password field	Sign In 7. Should not Sign In	7. Correct	Pass Pass
Student Remarks	To test Remark functionality	X	1. Open the application 2. Click on Student and later Sign In 3. Enter registered Username and Password 4. Click on Sign In 5. Press List Classes of particular Batch 6. Click on the Write image icon 7. Enter Remarks in the given field 8. Click on Update	1. Non empty Remarks 2. Empty Remarks	1. Should Update the database and display "Updated Successfully" 2. Should not Update the database	Correct Wrong	Pass Fail
Student Recording	To test recording functionality	X	1. Open the application 2. Click on Student and later Sign In 3. Enter registered	1. Talk something 2. Did not talk	1. Should display the text form of the recorded data and save to google drive 2. Should	1. Correct 2. Correct	Pass Pass

			Username and Password 4. Click on Sign In 5. Press List classes of particular Batch 6. Click on the Write icon image 7. Click on Record 8. Click on the Mic Image and talk		display “Tap to speak” and exit after no response		
Student Play	To test Play functionality	X	1. Open the application 2. Click on Student and later Sign In 3. Enter registered Username and Password 4. Click on Sign In 5. Press List classes of particular Batch 6. Click on the Write icon image 7. Click on Play	1. Previously recorded file exits 2. Previously nothing was recorded	1. Should Play the audio saved to google drive 2. Should not Play anything and display “No file found”	1. Correct 2. Correct	Pass Pass

Student Notification	To check Notification Functionality	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Student and later Sign In 3. Enter registered Username and Password 4. Click on Sign In 5. Press List classes of particular Batch 6. Click on the Others then Notification and Continue 	<ol style="list-style-type: none"> 1. If there was notification added by a Teacher for current date 2. There was no notification added by a Teacher for current date 	<ol style="list-style-type: none"> 1. Should Display the notification 2. Should show empty screen and a message saying there's no notification 	<ol style="list-style-type: none"> 1. Correct 2. Correct 	<p>Pass</p> <p>Pass</p>
Teacher Sign In	To test Sign In functionality of Teacher	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Teacher 3. Enter Subject Code 4. Enter password 5. Press Sign In button 	<ol style="list-style-type: none"> 1. Correct Subject Code, correct Password 2. Correct Subject Code and wrong password 3. Wrong Subject Code correct password 4. Wrong Subject Code wrong password 5. Empty Subject Code field non-empty password 6. Non-empty Subject Code field empty password 	<ol style="list-style-type: none"> 1. Should Sign In 2. Should not Sign In 3. Should not Sign In 4. Should not Sign In 5. Should not Sign In 6. Should not Sign In 7. Should not Sign In 	<ol style="list-style-type: none"> 1. Correct 2. Correct 3. Correct 4. Correct 5. Correct 6. Correct 7. Correct 	<p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p> <p>Pass</p>

				7. Empty Subject Code field an empty Password field			
Teacher Add Classes	To test add classes functionality	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Press Classes and Batches followed by Add Class 	<ol style="list-style-type: none"> 1. Enter Class Date, Class Time and other fields without leaving them Blank and Click Add Class 2. Leave the field blank and Click Add Class 	<ol style="list-style-type: none"> 1. Should Add Class and Should be visible in list class functionality 2. Should not Add class 	<ol style="list-style-type: none"> 1. Correct 2. Correct 	<p>Pass</p> <p>Pass</p>
Teacher Delete Classes	To test Delete classes functionality	X	<ol style="list-style-type: none"> 1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Press Classes and Batches followed by Add Class 6. Click on the edit image button 	<ol style="list-style-type: none"> 1. Select Yes 2. Select No 	<ol style="list-style-type: none"> 1. Should delete the class from database and not appear on the classes list 2. Should not delete the class 	<ol style="list-style-type: none"> 1. Correct 2. Correct 	<p>Pass</p> <p>Pass</p>

			7. Select Delete 8. Click Yes on the prompt				
Teacher Update Batch	To test Update Batch functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Press Classes and Batches followed by Update 6. Make changes and click Update	1. Make changes to particular field and click on Update 2. Make no changes and click on Update	1. Should Update and Display "Update successful" 2. Should not Update and display "Update not successful"	1. Correct 2. Wrong	Pass Fail
Teacher Delete Batch	To test Delete Batch functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Press Classes and Batches followed by Update	1. Select Yes 2. Select No	1. Delete the batch in the database and remove from the Batches present 2. Should not delete batch	1. Correct 2. Correct	Pass Pass

			6. Click on delete 7. Click Yes on the prompt				
Teacher Update Batch	To test Add Batch functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Classes and Batches 6. Press Add New Batch 7. Enter details and click Add	1. Enter Valid data to all fields 2. Leave at least one field empty	1. Should Add Batch and Display "Batch successfully added" 2. Should not add Batch and Display "Sorry Could not Add batch"	1. Correct 2. Correct	Pass Pass
Teacher Add Notification	To test Add Notification functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Classes and Batches 6. Press Add Notification	1. Enter the data and notification 2. Non empty fields	1. Should save the details to database 2. Should not add notification	1. Correct 2. Correct	Pass Pass

			7. Click on Write 8. Add date and Notification and click Add				
Teacher Notification	To check Notification Functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Classes and Batches 6. Press Add Notification 7. Click on Notify and Continue	1. If there was notification added by a Teacher for current date 2. There was no notification added by a Teacher for current date	1. Should Display the notification 2. Should show empty screen and a message saying there's no notification	1. Correct 2. Correct	Pass Pass
Teacher Add students	To check Add students functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Manage Students 6. Enter Student Name, USN,	1. Student Name, USN, Phone Number which was not added before 2. Student Name, USN, Phone Number which was added before 3. Empty Student Name or empty USN or empty Phone	1. Should add Student to the record and display 2. Should display student already registered 3. Should not add and display "Invalid fields"	1. Correct 2. Correct 3. Correct	Pass Pass Pass

			Phone Number 7. Click on Add	Number			
Teacher Delete Student Details	To check delete functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Manage Students 6. Long Press on Students Name 7. Click on Yes for the delete prompt	1. Select Yes 2. Select No	1. Delete particular student details and not display it 2. Should not delete the student details	1. Correct 2. Correct	Pass Pass
Teacher View Attendance	To check View attendance functionality	X	1. Open the application 2. Click on Teacher 3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on View Attendance	1. If attendance was submitted previously 2. If no attendance was marked 3.	1. Should display the number of classes attended 2. Should display 0 classes attended	1. Correct 2. Correct	Pass Pass
Teacher Mark attendance	To check Mark attendance functionality	X	1. Open the application 2. Click on Teacher	1. Students selected 2. No students selected 3.	1. Should Mark attendance 2. Should not Mark	1. Correct	Pass

			3. Enter valid Subject Code and Password 4. Click on Sign In 5. Click on Mark Attendance 6. Select the Students 7. Click Submit		attendance and display “Select Students”	2. Correct	Pass
Admin Sign In	To check admin Sign In functionality	X	1. Open the application 2. Click on Admin 3. Click Sign In	1. Correct Admin Name correct password 2. Correct Admin Name wrong password 3. Wrong Admin Name correct password 4. Wrong Admin Name wrong password 5. Empty Admin Name field non-empty password 6. Non-empty Admin Name field empty password 7. Empty Admin Name field and empty Password field	1. Should Sign In 2. Should not Sign In 3. Should not Sign In 4. Should not Sign In 5. Should not Sign In 6. Should not Sign In 7. Should not Sign In	1. Correct 2. Correct 3. Correct 4. Correct 5. Correct 6. Correct 7. Correct	Pass Pass Pass Pass Pass Pass Pass

Admin Add student s	To check Add students functionalit y	X	1. Open the applicatio n	1. Student Name, USN, Phone Number which was not added before	1. Should add Student to the record and display	1. Correct	Pass
			2. Click on Teacher	2. Student Name, USN, Phone Number which was added before	2. Should display student already registered	2. Correct	Pass
			3. Enter Admin Name and Password	3. Empty Student Name or empty USN or empty Phone Number	3. Should not add and display “Invalid fields”	3. Correct	Pass
Admin Add Faculty	To check Add Faculty functionalit y	X	4. Click on Sign In				
			5. Click on Manage Students				
			6. Enter Student Name, USN, Phone Number				
			7. Click on Add				
			1. Open the applicatio n	1. Faculty Name, Password, Non existing Subject Code	1. Should Add Faculty and Display “Added Successfully ”	1. Correct	Pass
			2. Click on Teacher	2. Faculty Name, Password, existing Subject Code	2. Should not Add Faculty and Display “This course is already taken by another faculty”	2. Correct	Pass
			3. Enter Admin Name and Password	3. Empty Faculty, Non-empty Password, Non-empty Subject Code	3. Should not Faculty and Display “Please fill in faculty name”	3. Correct	Pass
			4. Click on Sign In	4. Non-Empty Faculty, empty Password, Non-empty Subject Code	4. Should not Faculty and Display “Please fill in Password”	4. Correct	Pass
			5. Click on Manage Faculty	5. Non-Empty	5. Should not	5. Correct	Pass
			6. Enter Faculty Name, Password, Subject Code				
			7. Click on Add Faculty				

				Faculty, non-empty Password, empty Subject Code	Faculty and Display “Please fill in Subject Code”		
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