

# Testing and evaluation

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## **How I will test**

I am going to test my program by going from form to form and checking if all the validation works and if all the buttons do, as they should. I will format it by saying what should happen then checking if it works. If it does not work I will attempt to fix it and then re-test till it works sufficiently.

## **What I will test**

### **Login form**

- Logging on with out a username
- Logging on with a incorrect username
- Logging on without a password
- Logging on with an incorrect password
- Logging on as a student

- Logging on as a member of staff
- Exiting the form

### **Student form**

- Check if the grdrewards loads only the rewards the student can afford
- Check if lblname loads with the points and name of the person who logs on
- Check if the grdrecords loads the records that pertain to the student
- Check if btn password makes the password changing tools visible
- Trying to change password with no old password
- Trying to change password with out a new password
- Trying to change password with 2 different new passwords
- Trying to change password with a numerical new password
- Trying to change password with a alphabetical new password
- Trying to change password with correct old password and valid new passwords
- Using btnback to hide the password changing tools
- Using btnExit to exit the form
- Trying to redeme points for rewards

### **Staff form**

- Check if the lblpointsleft loads the staff members points and name
- Check if grdponts loads all the points transfers the staff member has done

- Checks if the grdstudents loads all the student files
- Check searching with only input in txtforename
- Check searching with only input in txtsurname
- Check searching with input in txtforename and txtsurname
- Check searching with nothing in either box
- Check whether the studentrecordsform opens when you click on a student in grdstudents
- Check if btnpassword makes password changing tools visible
- Trying to change password with no old password
- Trying to change password with out a new password
- Trying to change password with 2 different new passwords
- Trying to change password with a numerical new password
- Trying to change password with a alphabetical new password
- Trying to change password with correct old password and valid new passwords
- Using btnback to hide the password changing tools
- Check if btnadmin is visible for an admin and for a normal staff member
- Check if btnpoints makes the points transfer tools visible
- Try giving points with no studID
- Try giving points with nothing in txtpoints
- Try giving points without a reason input

- Try giving points without having enough points to do so
- Try giving points with valid data
- Try taking points with valid data
- Using btnExit to exit the form

### **Studentrecordsform**

- Check if lblpoints loads the student selected's points and name
- Check if grdrecords loads the points procedures of the student clicked
- Check if btnback exits the form

### **AdminDirectory**

- Checks if btndminstaff loads the adminstaff form
- Checks if btndminstudents loads the adminstudent form
- Checks if btndminrewards loads the adminrewards form
- Checks if btnback exits the form

### **AdminStaff**

- Checks if grdstaff loads all staff on load
- Try searching with only input in txtforename
- Try searching with only input in txtsurname
- Try searching with input in both txtsurname and txtforename
- Try searching with no input in either txtsurname and txtforename

- Check if clicking on a record on grdstaff opens the staffedit form with their data
- Check if clicking on btnadd opens the staffedit in add mode
- Check if btnback exits the form and opens the admin directory

### **Staffedit**

- Try editing a file without txtstaffID input
- Try editing a file with a already used staffID in staffID
- Try editing a file without txtforename input
- Try editing a file without txtsurname input
- Try editing a file with a word in txtpoints
- Try editing a file without a password input
- Try creating a new staff member file all new correct data
- Try editing a staff member
- Check if btnback exits the form

### **AdminStudent**

- Check if grdstudent loads all the students when form loads
- Try searching with only input in txtforename
- Try searching with only input in txtsurname
- Try searching with input in both txtsurname and txtforename
- Try searching with no input in either txtsurname and txtforename

- Check if clicking on a record on grdstudent opens the studentedit form with their data
- Check if clicking on btnadd opens the staffedit in add mode
- Check if btnback exits the form and opens the admin directory

### **studentEdit**

- Try editing a file without txtstudID input
- Try editing a file with more than 6 characters in studID
- Try editing a file with an already used studID in studID
- Try editing a file without txtforename input
- Try editing a file without txtsurname input
- Try editing a file with a word in txtpoints
- Try editing a file without a password input
- Try creating a new student file with all new correct data
- Try editing a student
- Check if btnback exits the form

### **AdminRewards**

- Check if grdrwds loads all the rewards when the form
- Check if clicking on a reward opens the rewardsedit form with its data
- Check if clicking btnadd opens the rewardsedit form in add mode
- Check if btnback exits the form

## RewardsEdit

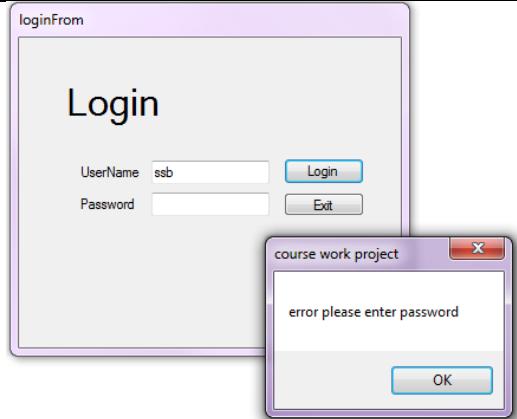
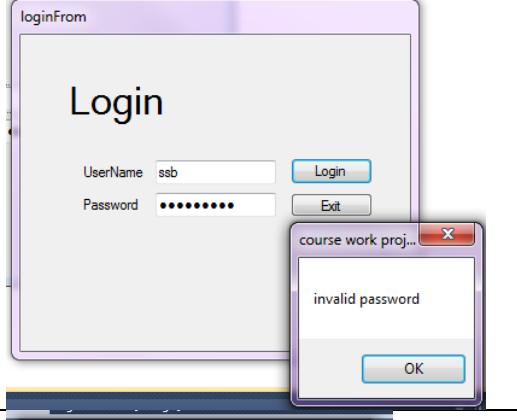
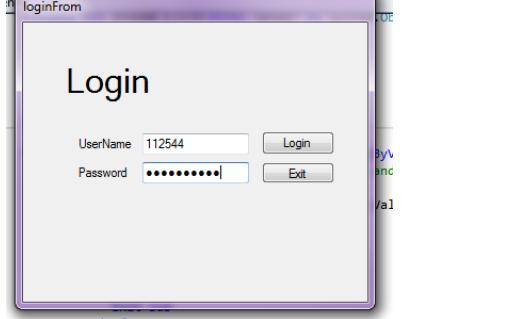
- Try editing a file without txtname input

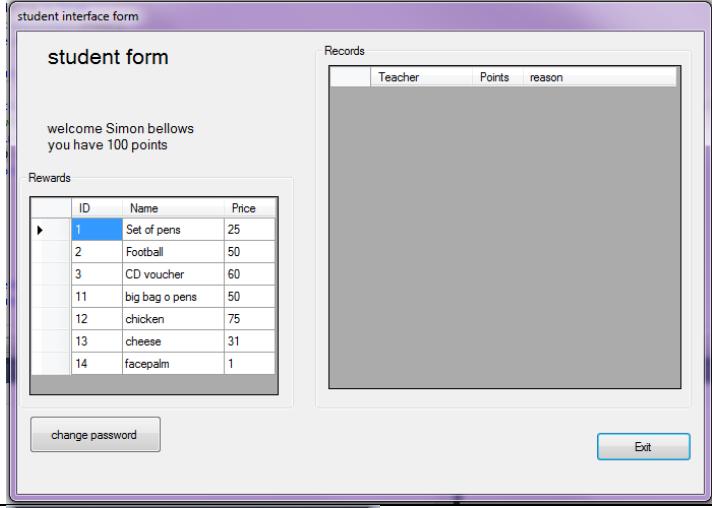
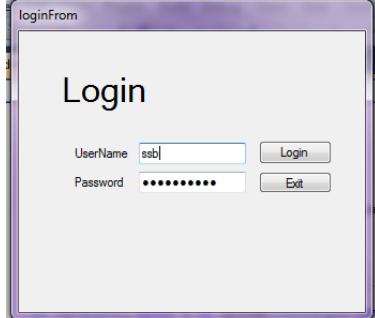
Logon form						
Test No	Object	Test data	Reason for test	Expected outcome	outcome	screenshots

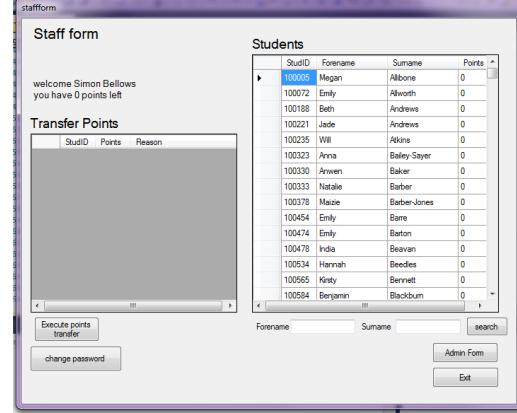
- Try editing a file without txtcost input
- Try editing a file with a word in txtcost
- Try creating a new reward with valid data
- Try editing a reward with valid data
- Check if btnback exits the form

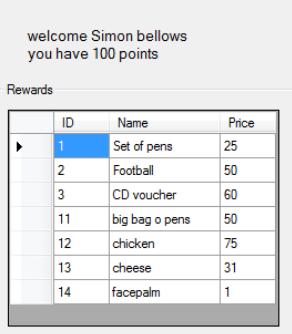
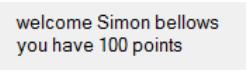
## Testing

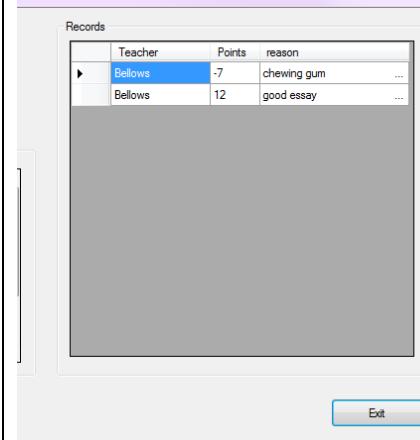
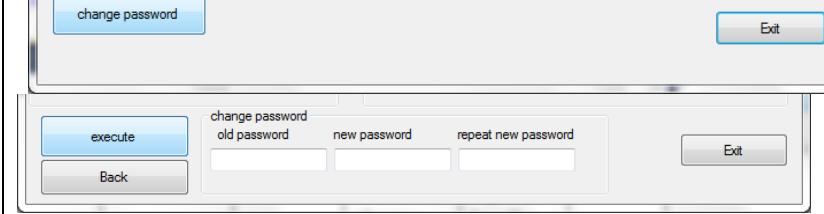
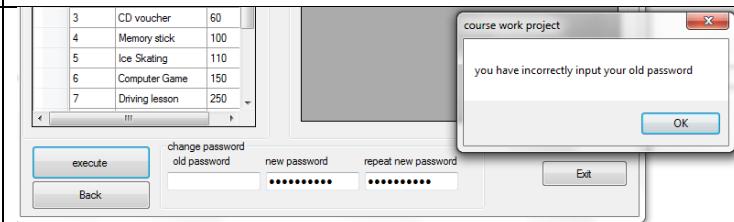
1	txtUsername	empty	Cannot be left empty	Message box saying that I need to fill it	Success	<p>The screenshot shows a Java Swing application window titled "loginFrom" with a "Login" button. Below it is a smaller modal dialog box titled "course work project" with the message "error please enter username" and an "OK" button.</p>
2	txtusername	And incorrect username	Must be an existing username to logon	Message box saying that the username is incorrect	Success	<p>The screenshot shows a Java Swing application window titled "loginFrom" with a "Login" button. Below it is a smaller modal dialog box titled "course work proj..." with the message "invalid username" and an "OK" button.</p>

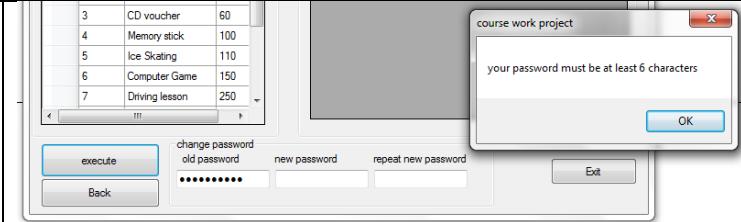
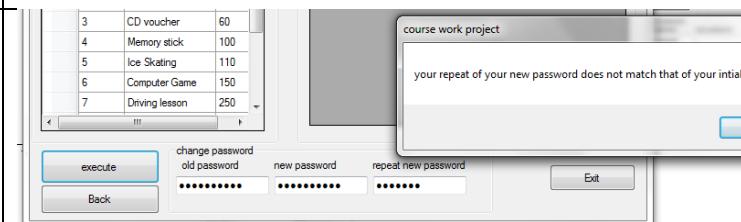
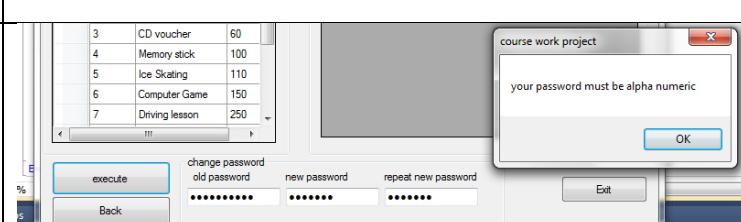
3	txtPassword	empty	Cannot be left empty	Message box saying that I need to fill it	Success	 A screenshot of a Java Swing application. In the foreground, there is a window titled "loginFrom" with a title bar "course work project". The window contains a "Login" button and two text input fields: "UserName" (containing "ssb") and "Password" (empty). In the background, a smaller dialog box titled "course work project" is displayed with the message "error please enter password" and an "OK" button.
4	txtpassword	a incorrect password	Must be the correct password to logon	Message box saying that the password is wrong	Success	 A screenshot of a Java Swing application. In the foreground, there is a window titled "loginFrom" with a title bar "course work proj...". The window contains a "Login" button and two text input fields: "UserName" (containing "ssb") and "Password" (containing "*****"). In the background, a smaller dialog box titled "course work proj..." is displayed with the message "invalid password" and an "OK" button.
5	btnlogon	A student username and password	To see if it is possible to logon as a student	The student form opening As that student	Success	 A screenshot of a Java Swing application. A window titled "loginFrom" with a title bar "course work project" is shown. The window contains a "Login" button and two text input fields: "UserName" (containing "112544") and "Password" (containing "*****").

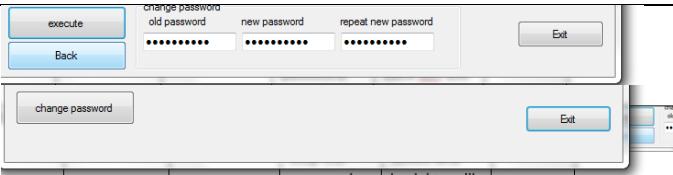
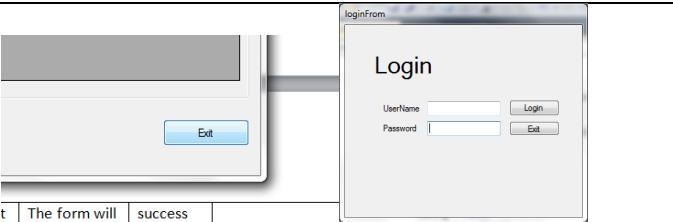
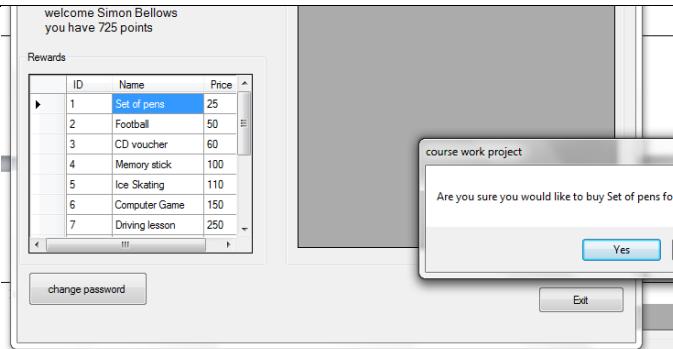
						
6	Btnlogon	A staff name and password	To logon as a staff member	The staff form opening as a member of staff	Success	

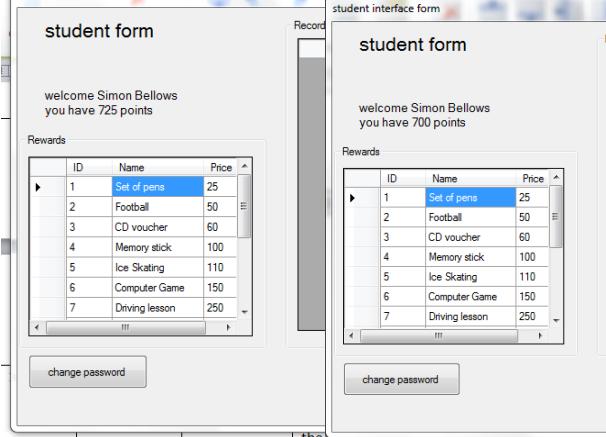
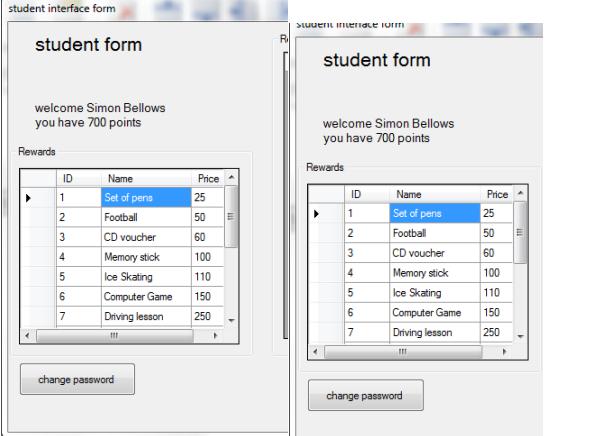
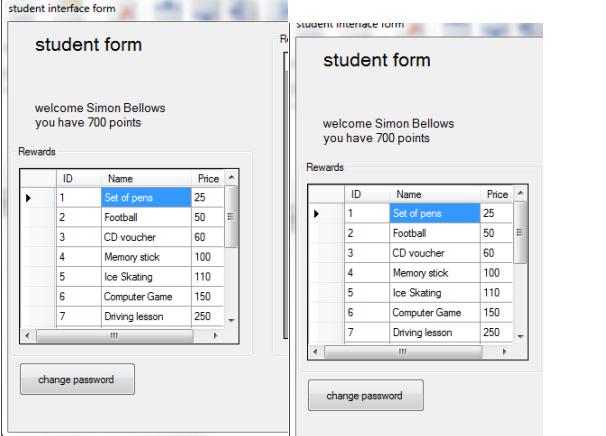
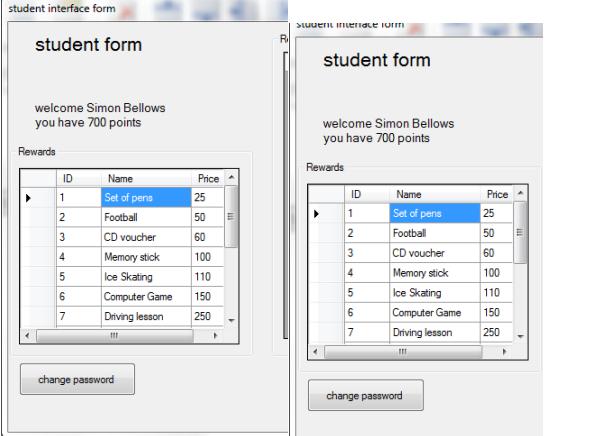
						
7	btnexit	N/A	To exit the program	The program quits	success	It closed

Student form						
Test No	Object	Test data	Reason for test	Expected outcome	outcome	screenshots
1	grdRewards	The current points of the student	The data grid is only meant to show rewards that the student can buy	The rewards show will all be of a cost less than the students points	Success	
2	lblName	The students points	The student is only able to see what	The cost of the rewards shown will be less than	Success	 

			he can buy	the students points		
3	grdRecords	The students pointsP records	The student should be able to see all and only the ones concerning him	There will be two records 1 giving points 1 taking them away	Success	
4	BtnPassword	N/A	Otherwise the student won't be able to change password	3 textboxes are to appear in a group box the text on the button will change and another will appear bellow called back	Success	
5	btnPassword	Both new passwords but no old one	Then need to use their old password to prove its them	A msgbox will open telling them that the old password is wrong	Success	

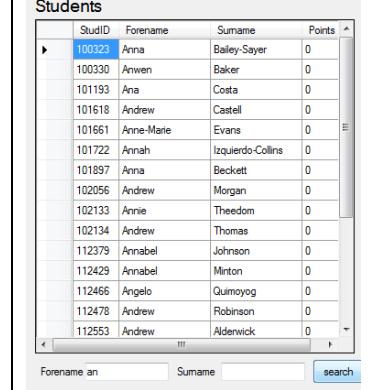
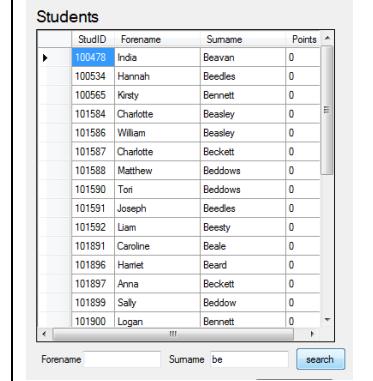
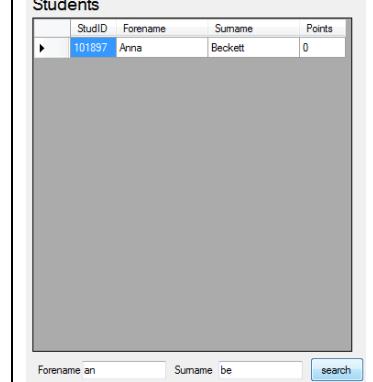
6	btnPassword	I will leave the new password box empty but fill the old password	They need to input a new password	A message box telling them that their password must be at least 6 characters long	Success	
7	btnPassword	I will input the 2 new password boxes differently	They need to retype the password correctly	A message box telling them that their retype of the password does not match their initial input	Success	
8	txtpassword	I will input the new password as only a number	The password must be alpha numeric	A message box telling them that their password must be alpha numeric	Success	
9	btncpassword	I will put in a password that is only letters	The password must be alpha numeric	A message box telling them that their password must be alpha numeric	Success	
10	BtnPassword	I will put in correct old password and 2 matching alphanumeric passwords in	The password must be changable	A message box telling them that their password has been changed and the password	Success	

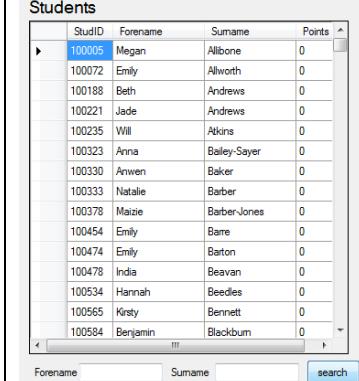
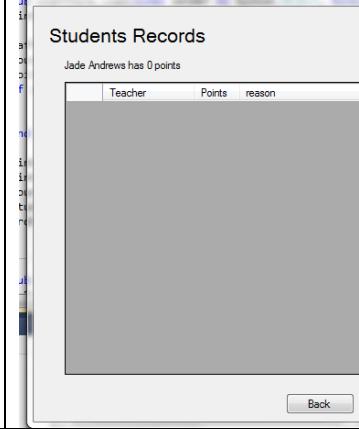
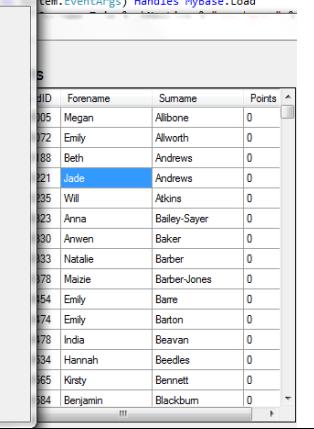
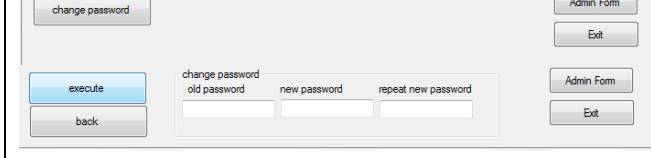
		the other slots		changing boxes and back btn will disappear and the text on btncpassword will revert																										
11	btnBack	N/A	They must be able to stop the password changing procedure without completing it	the password changing boxes and back btn will disappear and the text on btncpassword will revert	Success	 <p>password   back btn will  </p>																								
12	btnExit	N/A	The student needs to be able to exit the form	The form will close and the login form will open	Success	 <p>t   The form will success  </p>																								
13	grdRewards	Set of pens	The student needs to be able to redeem points for rewards	A message box will open asking if the student wants to buy the reward	Success	 <p>welcome Simon Bellows you have 725 points</p> <p>Rewards</p> <table border="1"> <thead> <tr> <th>ID</th> <th>Name</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Set of pens</td> <td>25</td> </tr> <tr> <td>2</td> <td>Football</td> <td>50</td> </tr> <tr> <td>3</td> <td>CD voucher</td> <td>60</td> </tr> <tr> <td>4</td> <td>Memory stick</td> <td>100</td> </tr> <tr> <td>5</td> <td>Ice Skating</td> <td>110</td> </tr> <tr> <td>6</td> <td>Computer Game</td> <td>150</td> </tr> <tr> <td>7</td> <td>Driving lesson</td> <td>250</td> </tr> </tbody> </table> <p>change password</p> <p>the form will open  </p>	ID	Name	Price	1	Set of pens	25	2	Football	50	3	CD voucher	60	4	Memory stick	100	5	Ice Skating	110	6	Computer Game	150	7	Driving lesson	250
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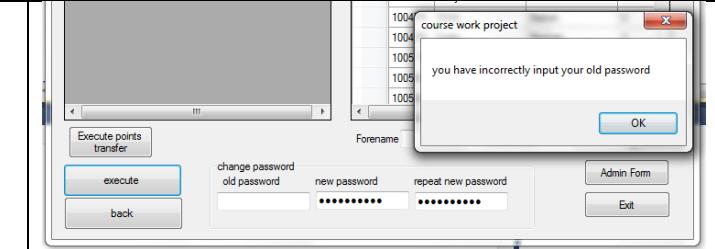
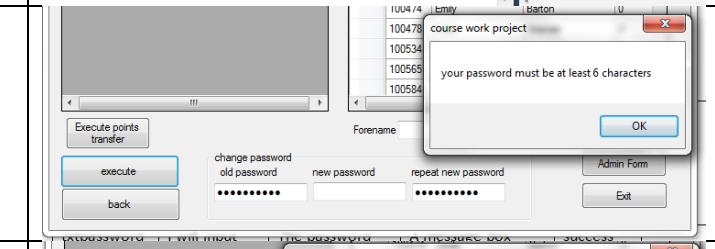
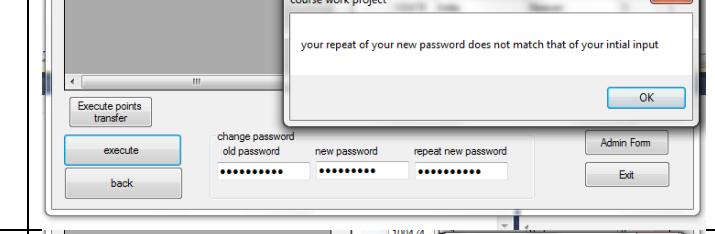
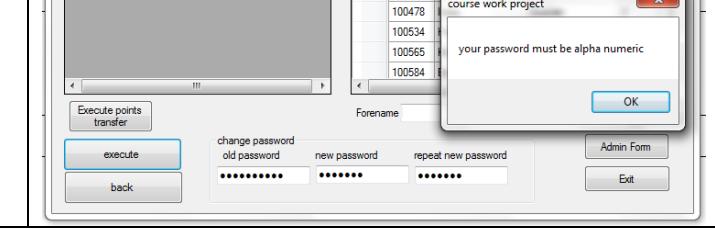
13b	grdRewards VByes	Set of pens	The student has to be able to redeem points	The reward will be bought and the students points will go down correspondingly from 725 to 700	success		
13c	Grdrwars vbNo	Set of pens	The student should be given a chance incase they miss clicked	The message box will close the reward will not be bought and the points will stay the same	success		

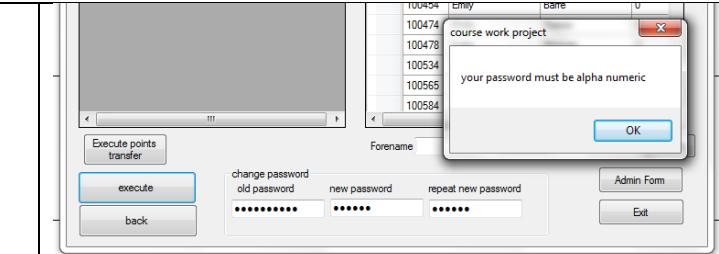
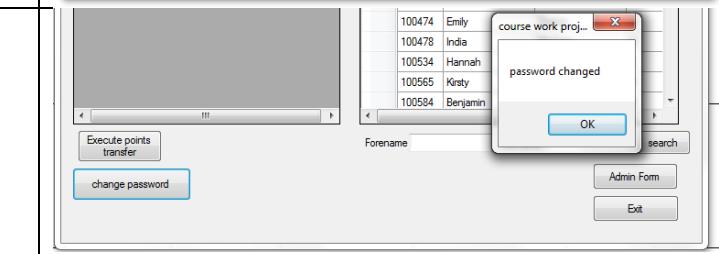
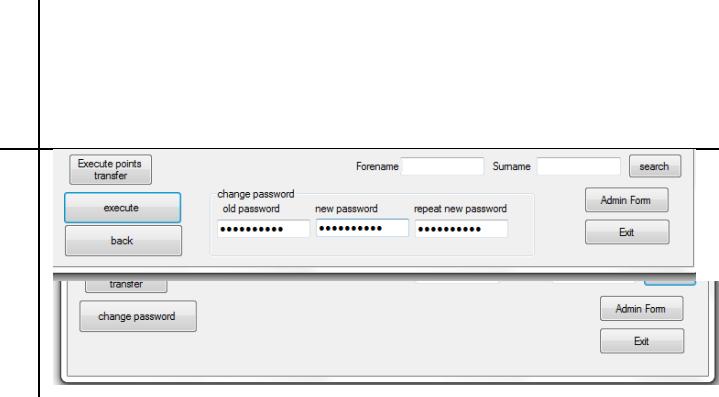
Staffform						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot

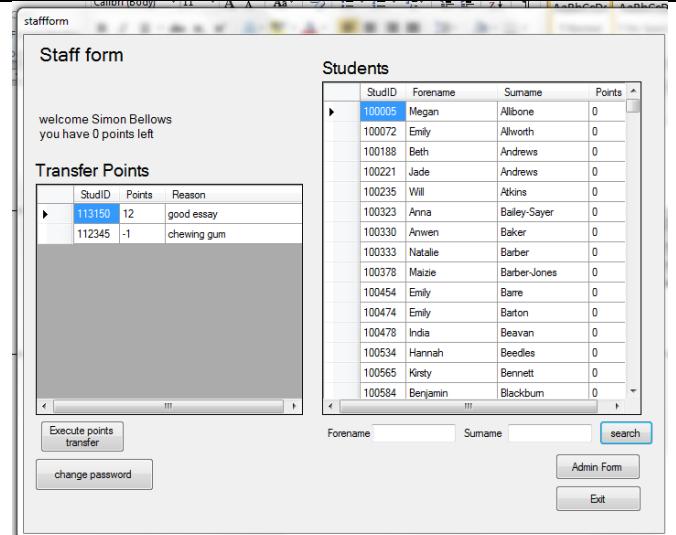
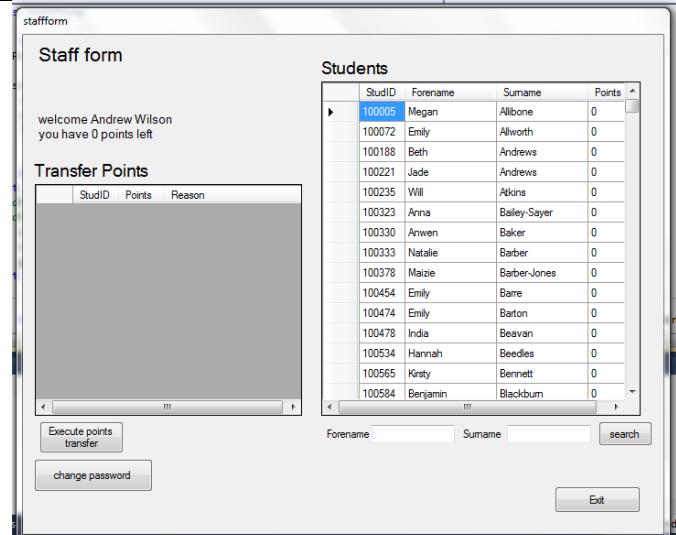
1	Lblpointsleft	The member of staffs name and points	The member of staff must be able to see how many points they have left	The label will contain the name of the member of staff and how many points they have left	Success	<p>Staff form</p> <p>welcome Simon Bellows you have 0 points left</p> <p>Transfer Points</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Points</th> <th>Reason</th> </tr> </thead> <tbody> <tr><td>113150</td><td>12</td><td>good essay</td></tr> <tr><td>112345</td><td>-1</td><td>chewing gum</td></tr> </tbody> </table>	StudID	Points	Reason	113150	12	good essay	112345	-1	chewing gum	<p>Students</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Forename</th> </tr> </thead> <tbody> <tr><td>100005</td><td>Megan</td></tr> <tr><td>100072</td><td>Emily</td></tr> <tr><td>100188</td><td>Beth</td></tr> <tr><td>100221</td><td>Jade</td></tr> <tr><td>100235</td><td>Will</td></tr> <tr><td>100323</td><td>Anna</td></tr> <tr><td>100330</td><td>Anwen</td></tr> <tr><td>100333</td><td>Natalie</td></tr> <tr><td>100378</td><td>Maize</td></tr> </tbody> </table>	StudID	Forename	100005	Megan	100072	Emily	100188	Beth	100221	Jade	100235	Will	100323	Anna	100330	Anwen	100333	Natalie	100378	Maize																																			
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3	grdStudents	The student DATfile	The member of staff should be able to see the basic information about every student	The data grid will be filled with all students containing some information about them	Success	<p>Students</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Forename</th> <th>Surname</th> <th>Points</th> </tr> </thead> <tbody> <tr><td>100005</td><td>Megan</td><td>Allbone</td><td>0</td></tr> <tr><td>100072</td><td>Emily</td><td>Allworth</td><td>0</td></tr> <tr><td>100188</td><td>Beth</td><td>Andrews</td><td>0</td></tr> <tr><td>100221</td><td>Jade</td><td>Andrews</td><td>0</td></tr> <tr><td>100235</td><td>Will</td><td>Atkins</td><td>0</td></tr> <tr><td>100323</td><td>Anna</td><td>Bailey-Sayer</td><td>0</td></tr> <tr><td>100330</td><td>Anwen</td><td>Baker</td><td>0</td></tr> <tr><td>100333</td><td>Natalie</td><td>Barber</td><td>0</td></tr> <tr><td>100378</td><td>Maize</td><td>Barber-Jones</td><td>0</td></tr> <tr><td>100454</td><td>Emily</td><td>Bare</td><td>0</td></tr> <tr><td>100474</td><td>Emily</td><td>Barton</td><td>0</td></tr> <tr><td>100478</td><td>India</td><td>Beavan</td><td>0</td></tr> <tr><td>100534</td><td>Hannah</td><td>Beedles</td><td>0</td></tr> <tr><td>100565</td><td>Kirsty</td><td>Bennett</td><td>0</td></tr> <tr><td>100584</td><td>Benjamin</td><td>Blackburn</td><td>0</td></tr> </tbody> </table> <p>Forename Surname search Admin Form</p>	StudID	Forename	Surname	Points	100005	Megan	Allbone	0	100072	Emily	Allworth	0	100188	Beth	Andrews	0	100221	Jade	Andrews	0	100235	Will	Atkins	0	100323	Anna	Bailey-Sayer	0	100330	Anwen	Baker	0	100333	Natalie	Barber	0	100378	Maize	Barber-Jones	0	100454	Emily	Bare	0	100474	Emily	Barton	0	100478	India	Beavan	0	100534	Hannah	Beedles	0	100565	Kirsty	Bennett	0	100584	Benjamin	Blackburn	0	
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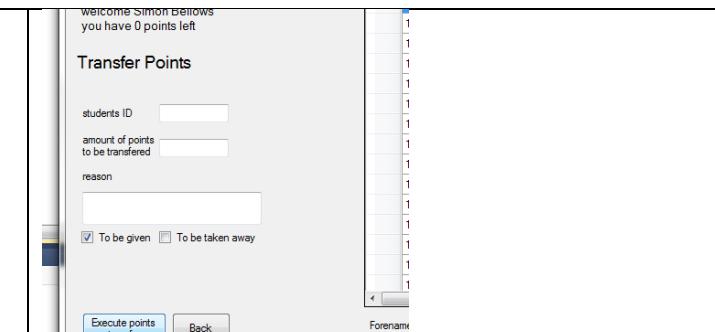
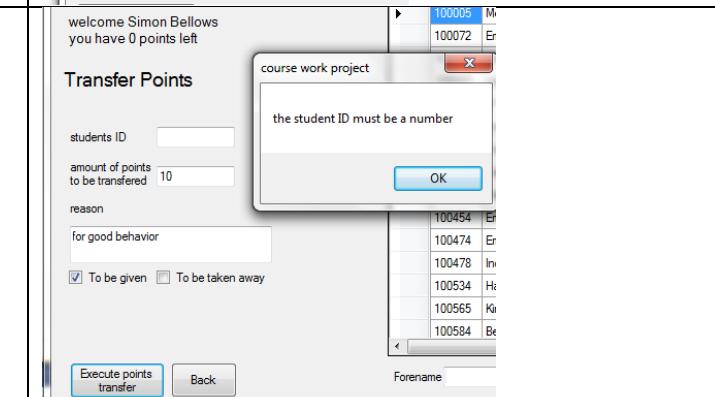
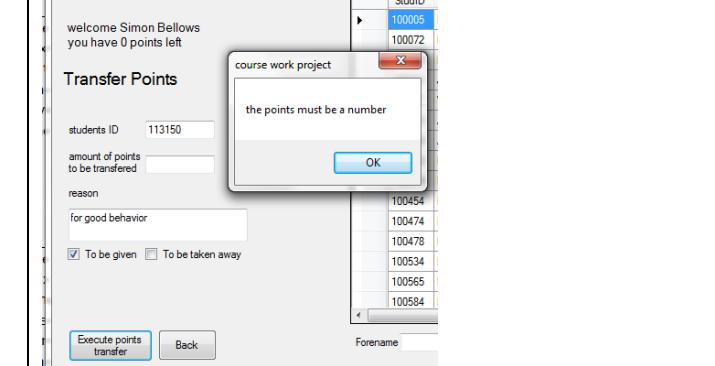
4	Btnsearch	The letters "an" in txtforename	The member of staff should be able to use search to search to search for students whose names begin with the text in txtsurname and txtforename	the data grid will be refreshed and will only contain students whose first name begins with an	Success	 <p>The screenshot shows a data grid titled "Students" with columns: StudID, Forename, Surname, and Points. The grid contains 15 rows of student data. A search bar at the bottom left shows "Forename: an".</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Forename</th> <th>Surname</th> <th>Points</th> </tr> </thead> <tbody> <tr><td>100323</td><td>Anna</td><td>Bailey-Sayer</td><td>0</td></tr> <tr><td>100336</td><td>Anwen</td><td>Baker</td><td>0</td></tr> <tr><td>101193</td><td>Ana</td><td>Costa</td><td>0</td></tr> <tr><td>101618</td><td>Andrew</td><td>Castell</td><td>0</td></tr> <tr><td>101651</td><td>Anne-Marie</td><td>Evans</td><td>0</td></tr> <tr><td>101722</td><td>Annah</td><td>Izquierdo-Collins</td><td>0</td></tr> <tr><td>101897</td><td>Anna</td><td>Beckett</td><td>0</td></tr> <tr><td>102056</td><td>Andrew</td><td>Morgan</td><td>0</td></tr> <tr><td>102133</td><td>Annie</td><td>Theedom</td><td>0</td></tr> <tr><td>102134</td><td>Andrew</td><td>Thomas</td><td>0</td></tr> <tr><td>112379</td><td>Annabel</td><td>Johnson</td><td>0</td></tr> <tr><td>112429</td><td>Annabel</td><td>Minton</td><td>0</td></tr> <tr><td>112466</td><td>Angelo</td><td>Quimoyog</td><td>0</td></tr> <tr><td>112478</td><td>Andrew</td><td>Robinson</td><td>0</td></tr> <tr><td>112553</td><td>Andrew</td><td>Aldenwick</td><td>0</td></tr> </tbody> </table>	StudID	Forename	Surname	Points	100323	Anna	Bailey-Sayer	0	100336	Anwen	Baker	0	101193	Ana	Costa	0	101618	Andrew	Castell	0	101651	Anne-Marie	Evans	0	101722	Annah	Izquierdo-Collins	0	101897	Anna	Beckett	0	102056	Andrew	Morgan	0	102133	Annie	Theedom	0	102134	Andrew	Thomas	0	112379	Annabel	Johnson	0	112429	Annabel	Minton	0	112466	Angelo	Quimoyog	0	112478	Andrew	Robinson	0	112553	Andrew	Aldenwick	0
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5	btnsearch	The letters "be" in txtSurname	The member of staff should be able to use search to search to search for students whose names begin with the text in txtsurname and txtforename	the data grid will be refreshed and will only contain students whose last name begins with "be"	Success	 <p>The screenshot shows a data grid titled "Students" with columns: StudID, Forename, Surname, and Points. The grid contains 15 rows of student data. A search bar at the bottom left shows "Surname: be".</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Forename</th> <th>Surname</th> <th>Points</th> </tr> </thead> <tbody> <tr><td>100478</td><td>India</td><td>Beavan</td><td>0</td></tr> <tr><td>100534</td><td>Hannah</td><td>Beedles</td><td>0</td></tr> <tr><td>100565</td><td>Kirsty</td><td>Bennett</td><td>0</td></tr> <tr><td>101584</td><td>Charlotte</td><td>Beasley</td><td>0</td></tr> <tr><td>101586</td><td>William</td><td>Beasley</td><td>0</td></tr> <tr><td>101587</td><td>Charlotte</td><td>Beckett</td><td>0</td></tr> <tr><td>101588</td><td>Matthew</td><td>Beddows</td><td>0</td></tr> <tr><td>101590</td><td>Tori</td><td>Beddows</td><td>0</td></tr> <tr><td>101591</td><td>Joseph</td><td>Beedles</td><td>0</td></tr> <tr><td>101592</td><td>Liam</td><td>Beesty</td><td>0</td></tr> <tr><td>101691</td><td>Caroline</td><td>Beale</td><td>0</td></tr> <tr><td>101696</td><td>Hanet</td><td>Beard</td><td>0</td></tr> <tr><td>101897</td><td>Anna</td><td>Beckett</td><td>0</td></tr> <tr><td>101899</td><td>Sally</td><td>Beddow</td><td>0</td></tr> <tr><td>101900</td><td>Logan</td><td>Bennett</td><td>0</td></tr> </tbody> </table>	StudID	Forename	Surname	Points	100478	India	Beavan	0	100534	Hannah	Beedles	0	100565	Kirsty	Bennett	0	101584	Charlotte	Beasley	0	101586	William	Beasley	0	101587	Charlotte	Beckett	0	101588	Matthew	Beddows	0	101590	Tori	Beddows	0	101591	Joseph	Beedles	0	101592	Liam	Beesty	0	101691	Caroline	Beale	0	101696	Hanet	Beard	0	101897	Anna	Beckett	0	101899	Sally	Beddow	0	101900	Logan	Bennett	0
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6	Btnsearch	The letters "an" in txtforename and "be" in txtsurname	The member of staff should be able to use search to search to search for students whose names begin with the text in txtsurname and txtforename	the data grid will be refreshed and will only contain students whose first name begins with "an" and the last name begins with "be"	Success	 <p>The screenshot shows a data grid titled "Students" with columns: StudID, Forename, Surname, and Points. The grid contains 1 row of student data, highlighted in blue. A search bar at the bottom left shows "Forename: an" and "Surname: be".</p> <table border="1"> <thead> <tr> <th>StudID</th> <th>Forename</th> <th>Surname</th> <th>Points</th> </tr> </thead> <tbody> <tr><td>101897</td><td>Anna</td><td>Beckett</td><td>0</td></tr> </tbody> </table>	StudID	Forename	Surname	Points	101897	Anna	Beckett	0																																																								
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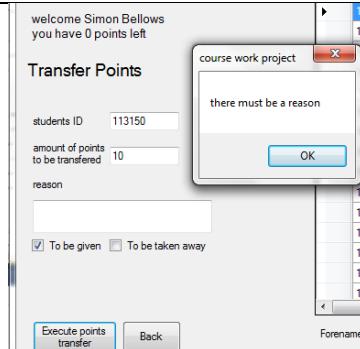
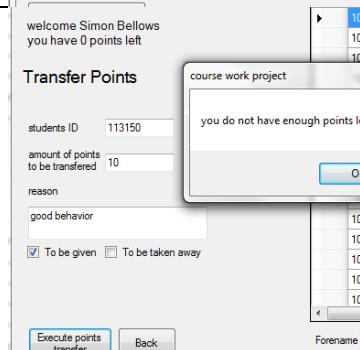
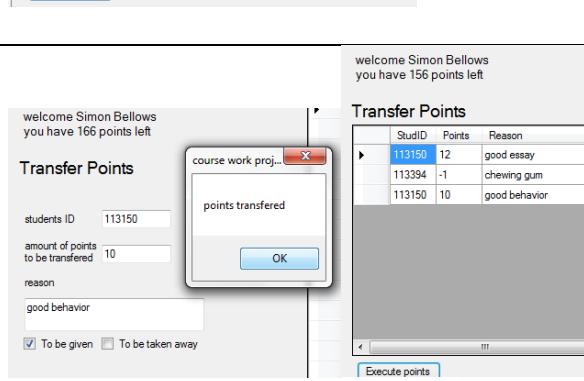
7	btnsearch	Txtforname and txtsurname emptied	The data grid should be able to be refreshed to being full	The data grid will be filled with all the students	Success		
8	grdstudents	A students information	A member of staff should be able to see the past point transfers of a student	The studentrecordsform should open containing the past points transfers of the student	Success		
9	BtnPassword	N/A	Otherwise the student won't be able to change password	3 textboxes are to appear in a group box the text on the button will change and another will appear bellow called back	Success		

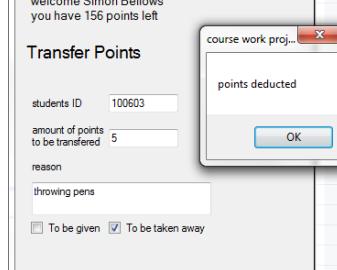
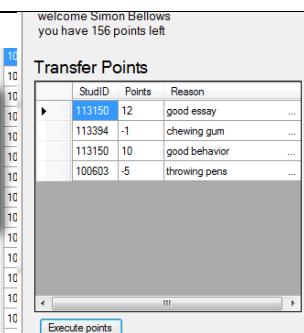
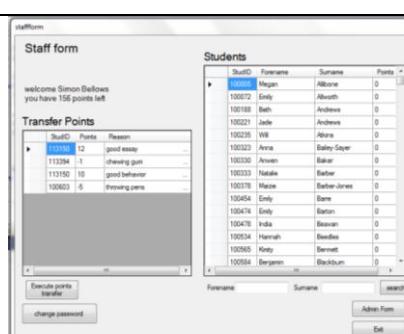
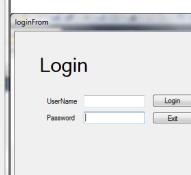
10	btnPassword	Both new passwords but no old one	Then need to use their old password to prove its them	A msgbox will open telling them that the old password is wrong	Success	
11	btnPassword	I will leave the new password box empty but fill the old password	They need to input a new password	A message box telling them that their password must be at least 6 characters long	Success	
12	btnPassword	I will input the 2 new password boxes differently	They need to retype the password correctly	A message box telling them that their retype of the password does not match their initial input	Success	
13	txtpassword	I will input the new password as only a number	The password must be alpha numeric	A message box telling them that their password must be alpha numeric	Success	

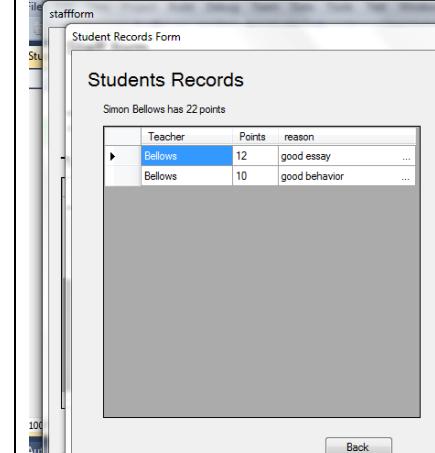
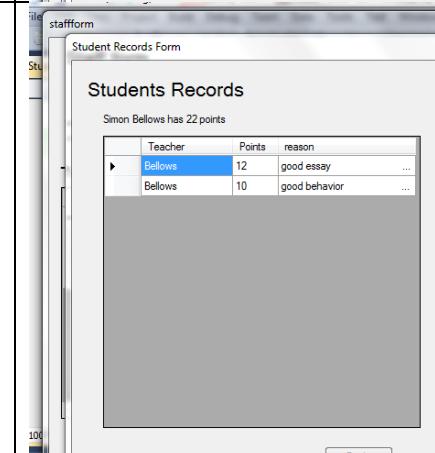
14	btncpassword	I will put in a password that is only letters	The password must be alpha numeric	A message box telling them that their password must be alpha numeric	Success	
15	BtnPassword	I will put in correct old password and 2 matching alphanumeric passwords in the other slots	The password must be changeable	A message box telling them that their password has been changed and the password changing boxes and back btn will disappear and the text on btncpassword will revert	Success	
16	btnBack	N/A	They must be able to stop the password changing procedure with our completing it	the password changing boxes and back btn will disappear and the text on btncpassword will revert	Success	

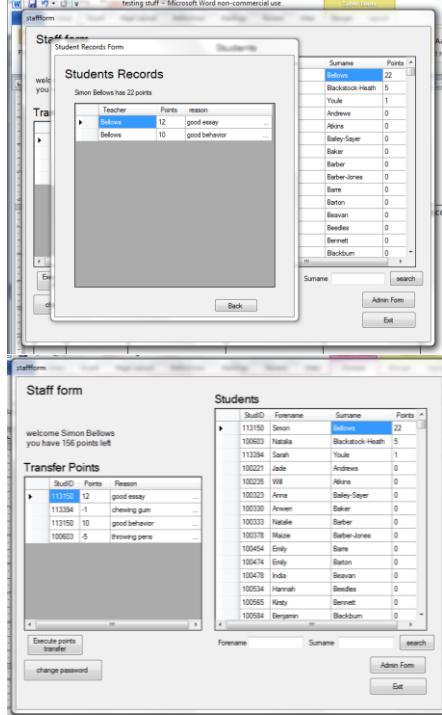
17a	btnAdmin	An admin	Only the admin should be able to get onto the admin forms	There to be an admin button	Success	
17b	btndadmin	A non admin	Only the admin should be able to get onto the admin forms	There will be just a space where the admin button is for admin	Success	

18	btnPoints	N/A	The member of staff must be able to give points to a student	The points data grid will become invisible and all of the different points transfer text boxes labels and the back button will appear	Success	 A screenshot of a software interface titled "Transfer Points". It shows a message at the top: "welcome Simon Bellows you have 0 points left". Below it is a form with fields: "students ID" (text box), "amount of points to be transferred" (text box), "reason" (text box), and two checkboxes: "To be given" (checked) and "To be taken away". At the bottom are "Execute points transfer" and "Back" buttons. To the right is a data grid with columns "Forename" and "Student ID". The first row of the grid has "1" in both columns.
19	btpnpoints	10 in txtpoints and good behaviour in txt reason and chkgive checked but no studID	The student id text box must not be empty since you cant give points to no one	A message box will appear saying that the student id must be a number	Success	 A screenshot of a software interface titled "Transfer Points". It shows a message at the top: "welcome Simon Bellows you have 0 points left". Below it is a form with fields: "students ID" (text box containing "10"), "amount of points to be transferred" (text box containing "10"), "reason" (text box containing "for good behavior"), and two checkboxes: "To be given" (checked) and "To be taken away". A modal dialog box titled "course work project" says "the student ID must be a number". At the bottom are "Execute points transfer" and "Back" buttons. To the right is a data grid with columns "Forename" and "Student ID". The first row of the grid has "100005" in the Student ID column.
20	btpnpoints	113150 in txtstudent and good behaviour in txt reason and chkgive checked but nothing in txtpoints	The points text box must not be empty because there must be some points transferred in a points transfer	A message box will appear saying that	Success	 A screenshot of a software interface titled "Transfer Points". It shows a message at the top: "welcome Simon Bellows you have 0 points left". Below it is a form with fields: "students ID" (text box containing "113150"), "amount of points to be transferred" (text box), "reason" (text box containing "for good behavior"), and two checkboxes: "To be given" (checked) and "To be taken away". A modal dialog box titled "course work project" says "the points must be a number". At the bottom are "Execute points transfer" and "Back" buttons. To the right is a data grid with columns "Forename" and "Student ID". The first row of the grid has "100005" in the Student ID column.

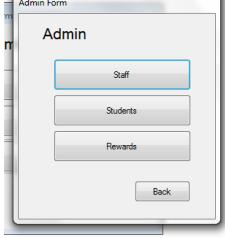
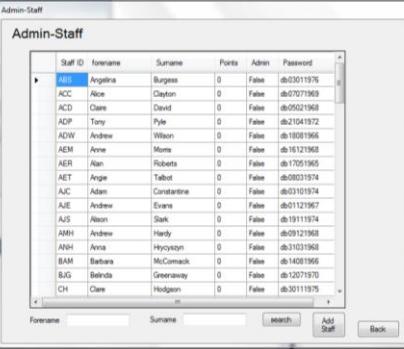
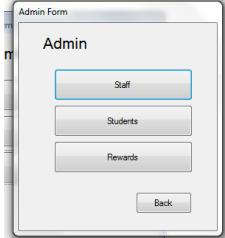
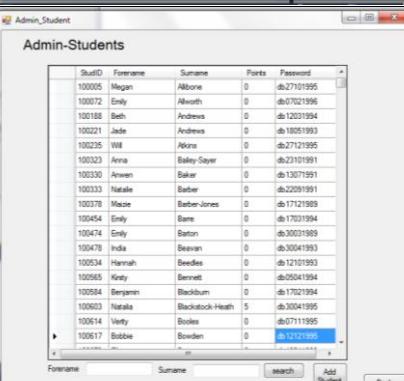
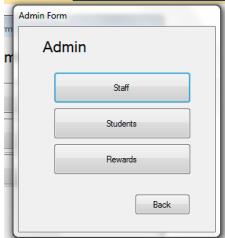
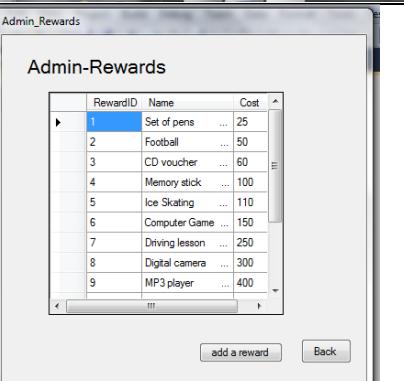
21	btnpoints	113150 in txtstudent and 10 in txtpoints	There must be a reason for every points transfer so that the student may know why	A message box will appear saying that there must be a reason	Success	
22	btnpoints	113150 in txtstudent and 10 in txtpoints which is more than the points of the staff and good behaviour in txtreason	The member of staff must have enough points to make the transfer without going into negative points	A message box will appear saying you do not have enough points left	Success	
23	Btnpoints	113150 in txtstudent and 10 in txtpoints and good behaviour in txtreason And the staff member has enough points to do it	A member of staff should be able to give points if they have some to give	A message box will appear saying that they have completed the points transfer and the amount of points transferred will be removed from their points and the points transfer boxes will disappear and the	Success	

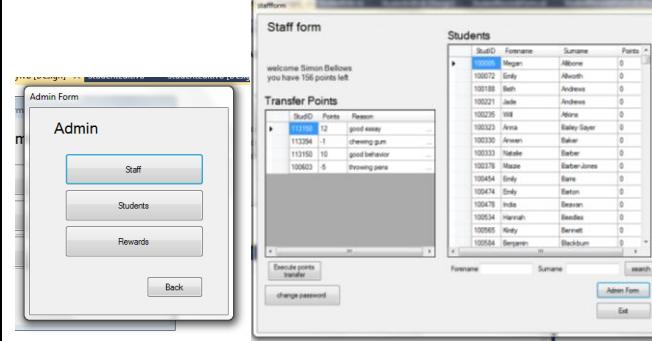
				points data grid will appear with the points transfer added and the student data grid will be refreshed		
24	btpoints	100603 in txtstudent 5 in txtpoints Throwing pens in txtreason Take points checked	The member of staff must be able to take away points from misbehaving students	A message box will appear saying that the points have been deducted then the points procedure information will be added to the points data grid. The students information on the student data grid will have 5 less points and since they had less than five they will have 0	Success	 
25	btnExit	N/A	The member of staff must be able to leave the form	The form will close and the logon form will open	success	 

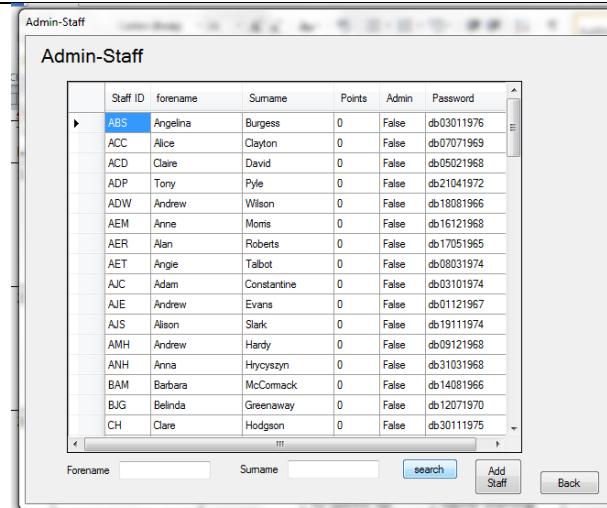
studentrecordsform						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	Lblpoints	The student clicked on in the staffform	So that the member of staff can see who they are looking at and how many points that person has	The label will be populated with the points and name of the student	success	
2	grdRecords	The records of the student clicked on in the staffform	The whole point of the form is so that the member of staff can see the records of the student selected	The data grid will be populated with the different points transactions that have happened to the student	success	

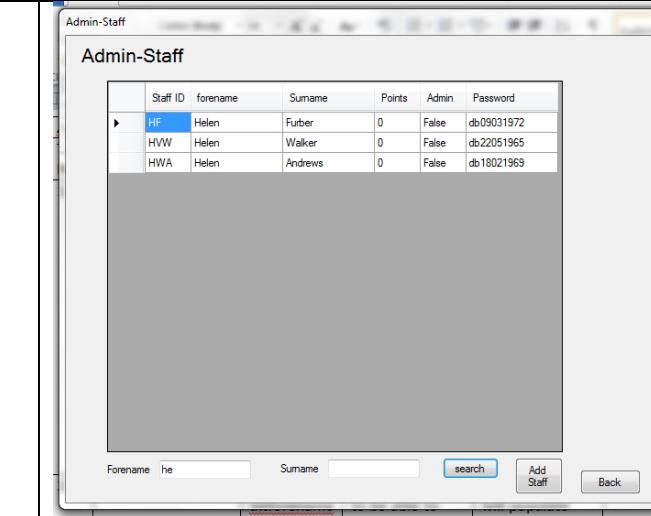
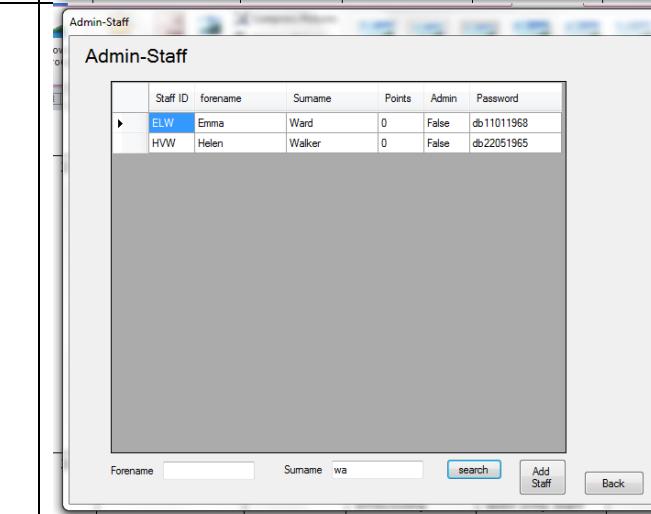
3	Btnback	N/A	The member of staff must be able to leave the form	The form will close	success	
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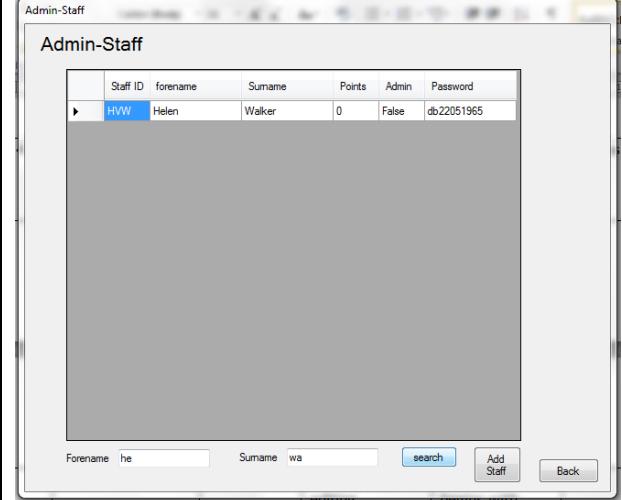
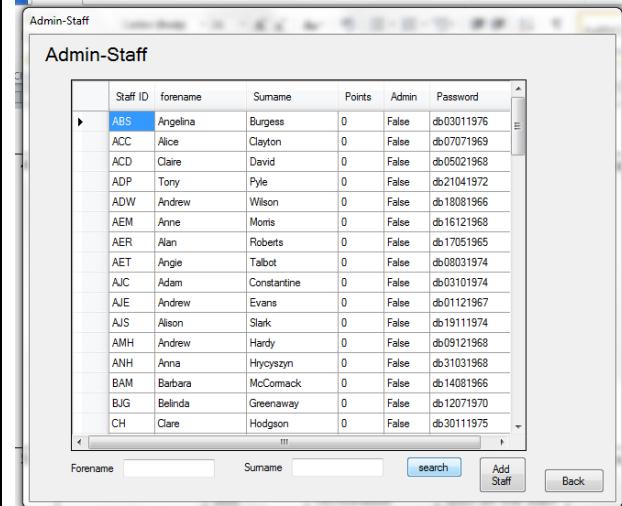
Admindirectory						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot

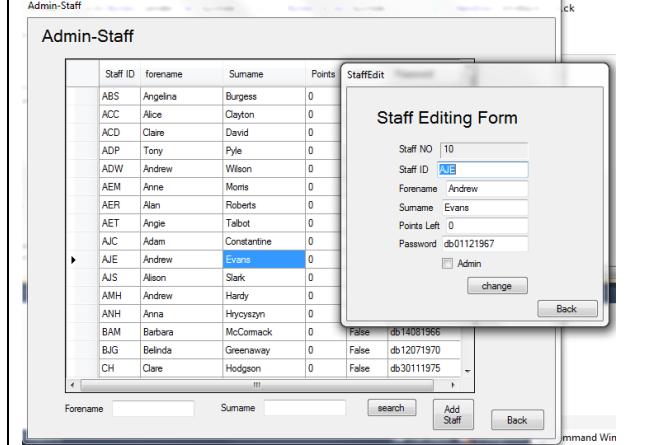
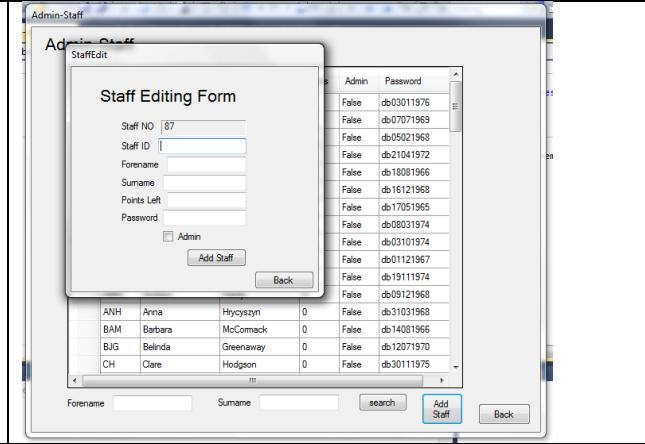
1	btnAdminStaff	N/A	The teacher needs to be able to open the AdminStaff form	The admin form will close and the AdminStaff form will open	Success	 
2	btnAdminStudent	N/A	The teacher needs to be able to open the AdminStudent form	The admin form will close and the AdminStudent form will open	Success	 
3	btnAdminRewards	N/A	The teacher needs to be able to open the AdminRewards form	The admin form will close and the AdminStudent form will open	Success	 

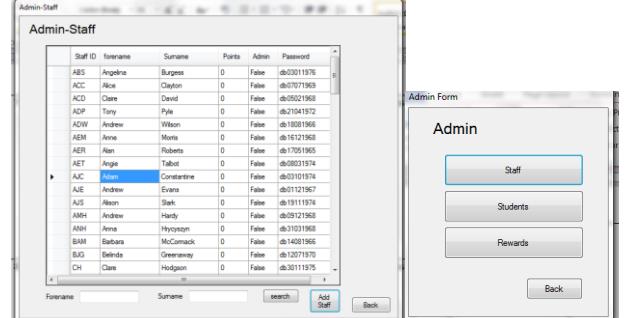
4	Btnback	N/A	The teacher needs to be able to leave the admin form	The admin form will close and the staff form will open	success		
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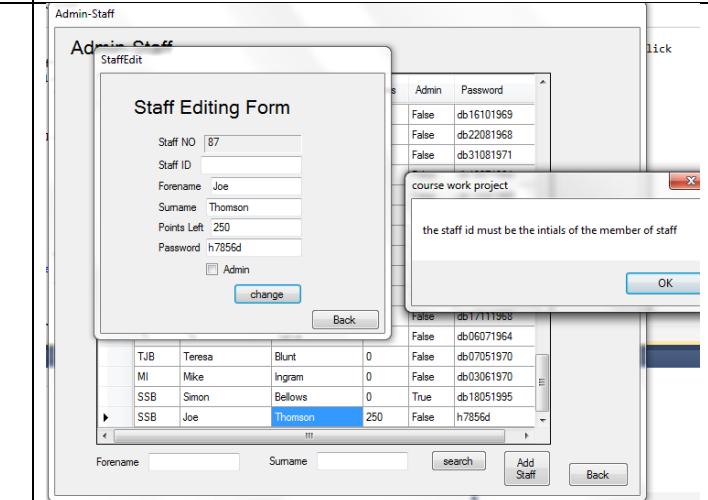
AdminStaff						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	grdStaff	The staff DAT file	The data grid needs to populate so that the files can be clicked on to edit	The data grid will populate with staff	success	

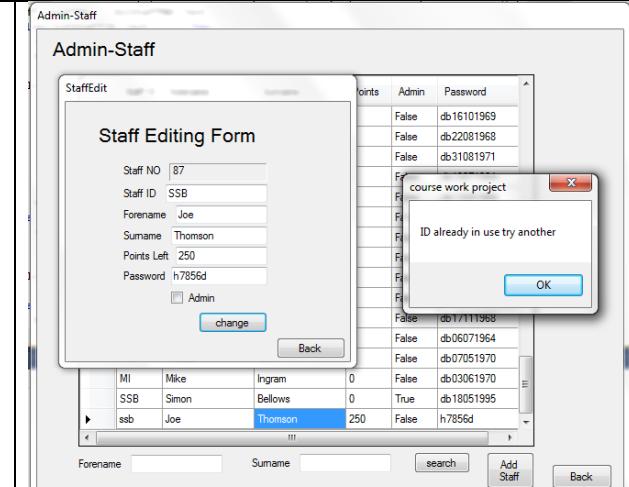
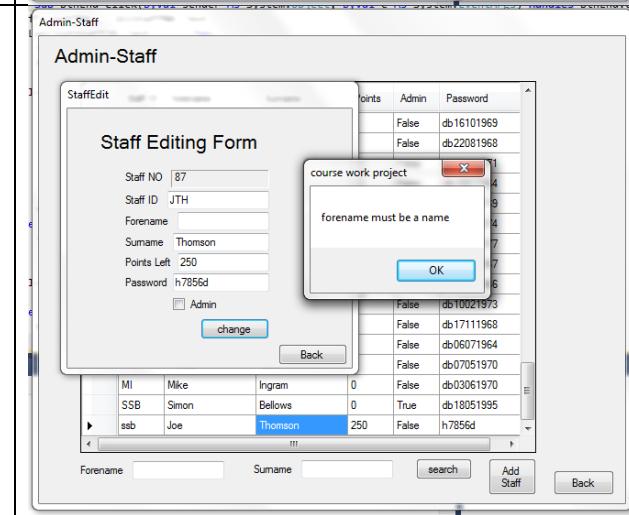
2	Btnsearch	"he" in txtforename	The admin need to be able to effectively search for staff to speed up editing	The data grid will populate with only staff that have a first name starting with "he"	success	
3	btnsearch	"wa" in txtsurname	The admin need to be able to effectively search for staff to speed up editing	The data grid will populate with only staff that have a last name starting with "wa"	success	

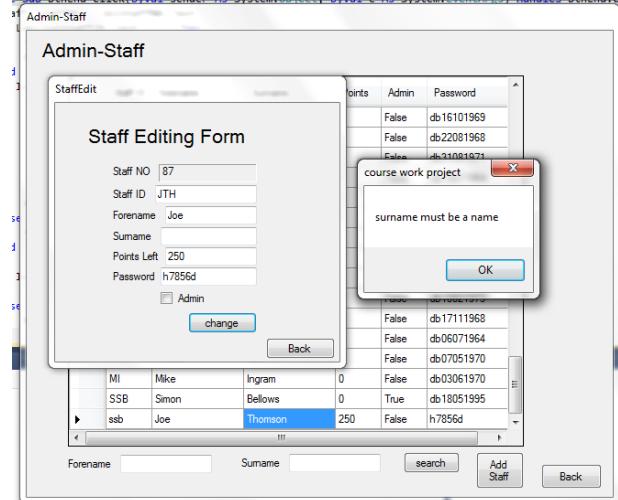
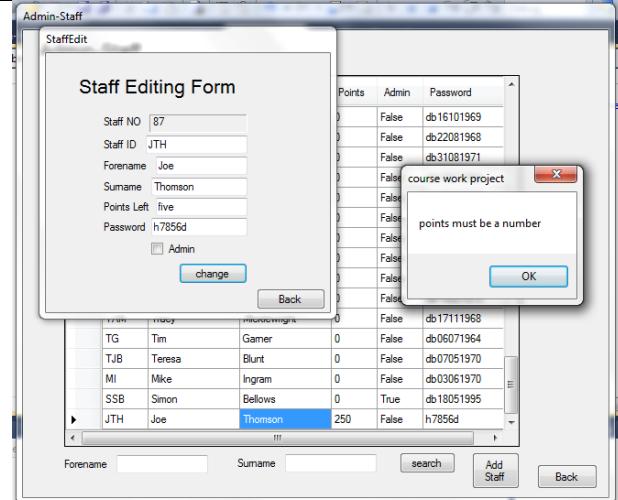
4	btnsearch	“he” in txtforename and “wa” in txtsurname	The admin need to be able to effectively search for staff to speed up editing	The data grid will populate with only staff whose forename begins with “he” and whose surname begins with “wa”	success	 <table border="1" data-bbox="1298 271 1830 643"> <thead> <tr> <th>Staff ID</th> <th>forename</th> <th>Surname</th> <th>Points</th> <th>Admin</th> <th>Password</th> </tr> </thead> <tbody> <tr> <td>HVW</td> <td>Helen</td> <td>Walker</td> <td>0</td> <td>False</td> <td>db22051965</td> </tr> </tbody> </table> <p>Forename: he      Surname: wa      <input type="button" value="search"/> <input type="button" value="Add Staff"/> <input type="button" value="Back"/></p>	Staff ID	forename	Surname	Points	Admin	Password	HVW	Helen	Walker	0	False	db22051965																																																																																										
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5	btnsearch	Nothing in either text box	The data grid must be refreshable	The data grid will populate with all the staff	success	 <table border="1" data-bbox="1298 779 1830 1151"> <thead> <tr> <th>Staff ID</th> <th>forename</th> <th>Surname</th> <th>Points</th> <th>Admin</th> <th>Password</th> </tr> </thead> <tbody> <tr><td>ABS</td><td>Angelina</td><td>Burgess</td><td>0</td><td>False</td><td>db03011976</td></tr> <tr><td>ACC</td><td>Alice</td><td>Clayton</td><td>0</td><td>False</td><td>db07071969</td></tr> <tr><td>ACD</td><td>Claire</td><td>David</td><td>0</td><td>False</td><td>db05021968</td></tr> <tr><td>ADP</td><td>Tony</td><td>Pyle</td><td>0</td><td>False</td><td>db21041972</td></tr> <tr><td>ADW</td><td>Andrew</td><td>Wilson</td><td>0</td><td>False</td><td>db18081966</td></tr> <tr><td>AEM</td><td>Anne</td><td>Moms</td><td>0</td><td>False</td><td>db16121968</td></tr> <tr><td>AER</td><td>Alan</td><td>Roberts</td><td>0</td><td>False</td><td>db17051965</td></tr> <tr><td>AET</td><td>Angie</td><td>Talbot</td><td>0</td><td>False</td><td>db08031974</td></tr> <tr><td>AJC</td><td>Adam</td><td>Constantine</td><td>0</td><td>False</td><td>db03101974</td></tr> <tr><td>AJE</td><td>Andrew</td><td>Evans</td><td>0</td><td>False</td><td>db01121967</td></tr> <tr><td>AJS</td><td>Alison</td><td>Stark</td><td>0</td><td>False</td><td>db19111974</td></tr> <tr><td>AMH</td><td>Andrew</td><td>Hardy</td><td>0</td><td>False</td><td>db09121968</td></tr> <tr><td>ANH</td><td>Anna</td><td>Hryczyn</td><td>0</td><td>False</td><td>db31031968</td></tr> <tr><td>BAM</td><td>Barbara</td><td>McComack</td><td>0</td><td>False</td><td>db14081966</td></tr> <tr><td>BIG</td><td>Belinda</td><td>Greenaway</td><td>0</td><td>False</td><td>db12071970</td></tr> <tr><td>CH</td><td>Clare</td><td>Hodgson</td><td>0</td><td>False</td><td>db30111975</td></tr> </tbody> </table> <p>Forename:      Surname:      <input type="button" value="search"/> <input type="button" value="Add Staff"/> <input type="button" value="Back"/></p>	Staff ID	forename	Surname	Points	Admin	Password	ABS	Angelina	Burgess	0	False	db03011976	ACC	Alice	Clayton	0	False	db07071969	ACD	Claire	David	0	False	db05021968	ADP	Tony	Pyle	0	False	db21041972	ADW	Andrew	Wilson	0	False	db18081966	AEM	Anne	Moms	0	False	db16121968	AER	Alan	Roberts	0	False	db17051965	AET	Angie	Talbot	0	False	db08031974	AJC	Adam	Constantine	0	False	db03101974	AJE	Andrew	Evans	0	False	db01121967	AJS	Alison	Stark	0	False	db19111974	AMH	Andrew	Hardy	0	False	db09121968	ANH	Anna	Hryczyn	0	False	db31031968	BAM	Barbara	McComack	0	False	db14081966	BIG	Belinda	Greenaway	0	False	db12071970	CH	Clare	Hodgson	0	False	db30111975
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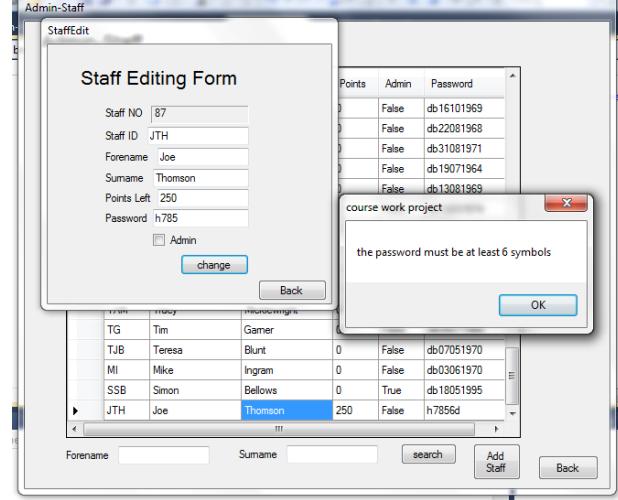
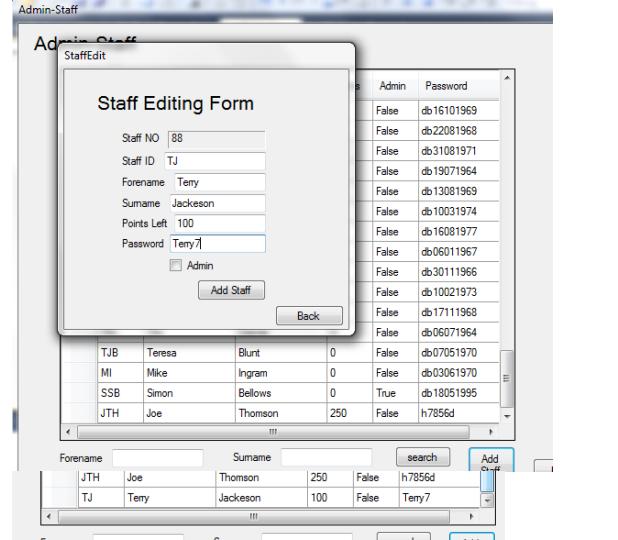
6	grdStaff	The file clicked on	The staff must be editable	the staffedit form will open containing the staff members data	success	 <p>The screenshot shows the Admin-Staff application interface. A modal dialog titled "Staff Editing Form" is displayed in the center. It contains fields for Staff NO (set to 10), Staff ID (set to AE), Forename (set to Andrew), Surname (set to Evans), Points Left (set to 0), Password (set to db01121967), and a checked checkbox for Admin. Below the dialog is a table of staff members with columns for Staff ID, Forename, Surname, and Points. One row in the table is highlighted with a blue background.</p>
7	btnAdd	N/A	The admin must be able to add new staff	The staffedit form will open	success	 <p>The screenshot shows the Admin-Staff application interface. A modal dialog titled "Staff Editing Form" is displayed in the center. It contains fields for Staff NO (set to 87), Staff ID (empty), Forename (empty), Surname (empty), Points Left (empty), Password (empty), and an unchecked checkbox for Admin. Below the dialog is a table of staff members with columns for Staff ID, Forename, Surname, and Points. The "Add Staff" button is visible at the bottom of the dialog.</p>

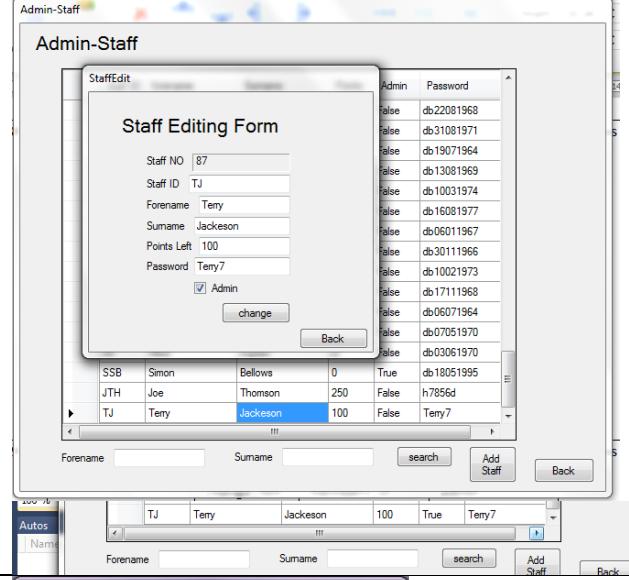
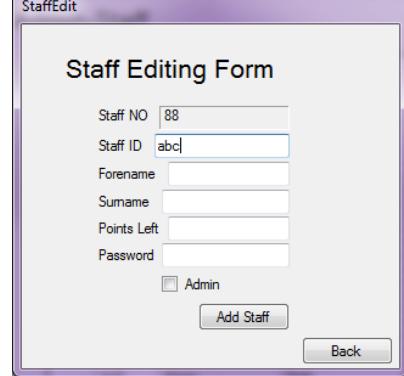
8	btnBack	N/A	The admin must be able to leave the form	The admin staff form will close and the admin directory form will open	success	
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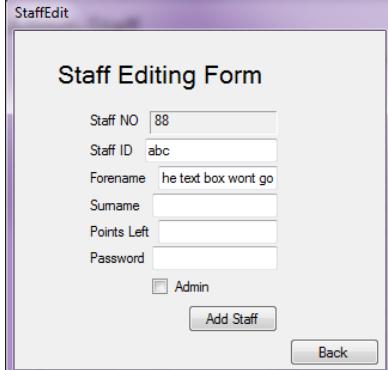
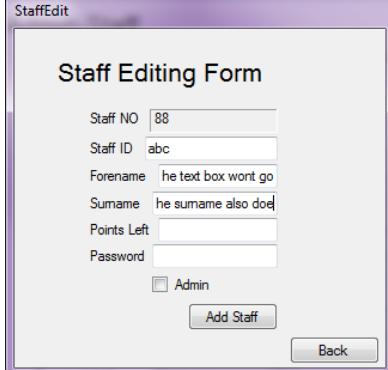
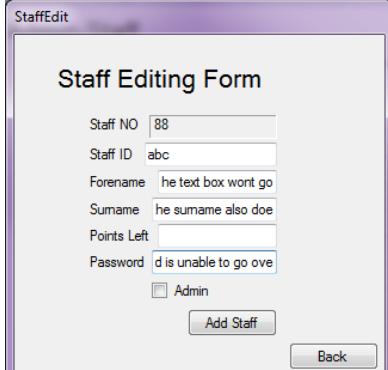
Staffedit form						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	btnEnd	Nothing in txtStaffID	There must be something in txtstaffID	A message box saying that the staff id must be the initials of the staff member	success	

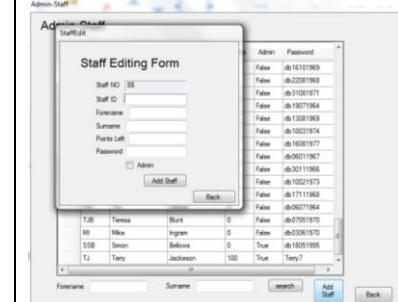
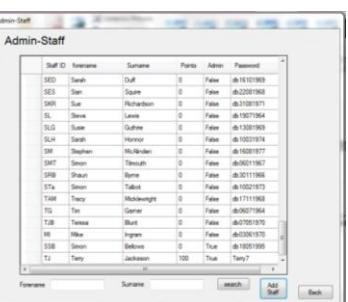
2	btnEnd	SSB in txtStaffID	You can't have two people with the same staffID	A message box that says that the ID is already in use	Success	
3	btnEnd	Nothing in txtForename	There must be a forename	A message box will appear saying that the forename must be a name	success	

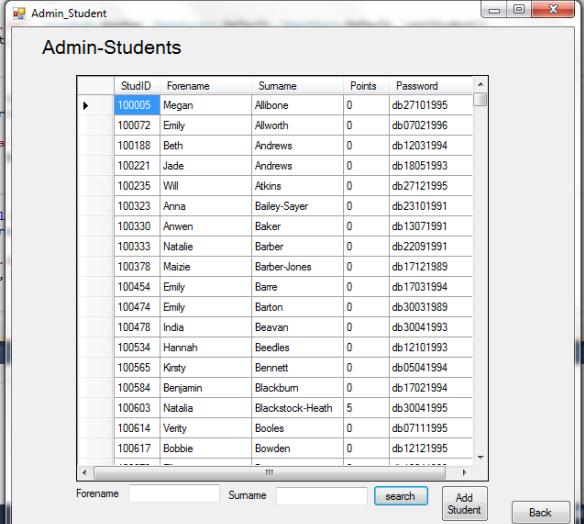
4	btnEnd	Nothing in txtSurname	Every one must have a surname	A message box will appear saying that surname must be a name	success	 <p>The screenshot shows the 'Staff Editing Form' window. A message box titled 'course work project' displays the error message 'surname must be a name'. The 'OK' button is visible at the bottom of the message box.</p>
5	btnEnd	A word in the points left text box	The points must be a number	A message box saying that the points must be a number	success	 <p>The screenshot shows the 'Staff Editing Form' window. A message box titled 'course work project' displays the error message 'points must be a number'. The 'OK' button is visible at the bottom of the message box.</p>

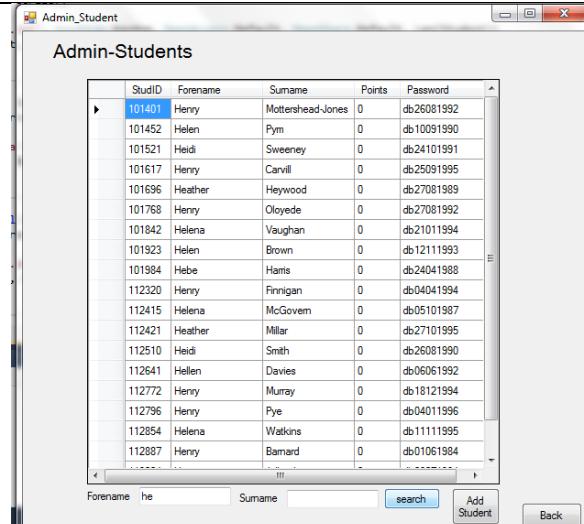
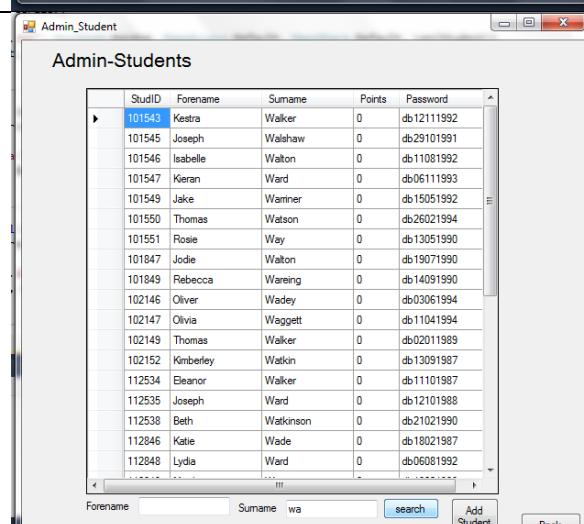
6	btnEnd	No password	There must be a password	A message box saying that the password must be at least 6 characters	success	 A screenshot of the Admin-Staff application. In the foreground, a modal dialog titled 'Staff Editing Form' shows fields for Staff NO (87), Staff ID (JTH), Forename (Joe), Surname (Thomson), Points Left (250), and Password (h785). A checked checkbox labeled 'Admin' is present. Below the form is a data grid with columns: Forename, Staff ID, Monogram, Points, Admin, and Password. The data grid contains several rows of staff information. A secondary message box titled 'course work project' is displayed, stating 'the password must be at least 6 symbols' with an 'OK' button.
7	btnEnd	All new data added once add staff was clicked on adminstaff	You must be able to add staff	At the bottom of the data grid will be a new staff file	success	 A screenshot of the Admin-Staff application. In the foreground, a modal dialog titled 'Staff Editing Form' shows fields for Staff NO (88), Staff ID (TJ), Forename (Terry), Surname (Jackson), Points Left (100), and Password (Terry7). An unchecked checkbox labeled 'Admin' is present. Below the form is a data grid with columns: Forename, Staff ID, Monogram, Points, Admin, and Password. The data grid contains several rows of staff information. At the bottom of the data grid, a new row is visible with the staff ID 'TJ', forename 'Terry', surname 'Jackson', points '100', admin status 'False', and password 'Terry7'. A secondary message box titled 'course work project' is displayed, stating 'the password must be at least 6 symbols' with an 'OK' button.

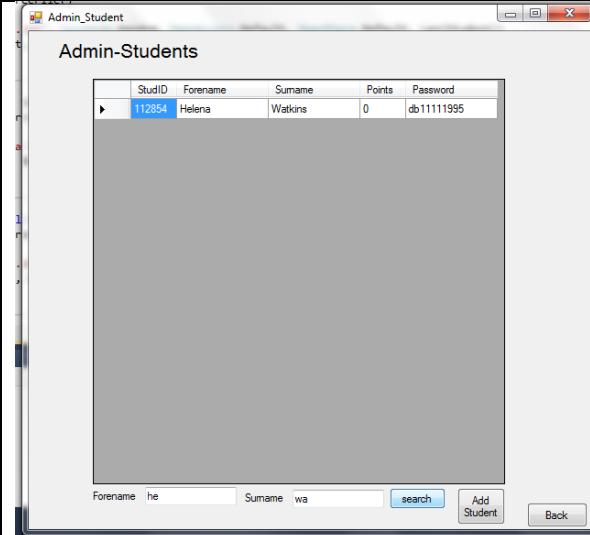
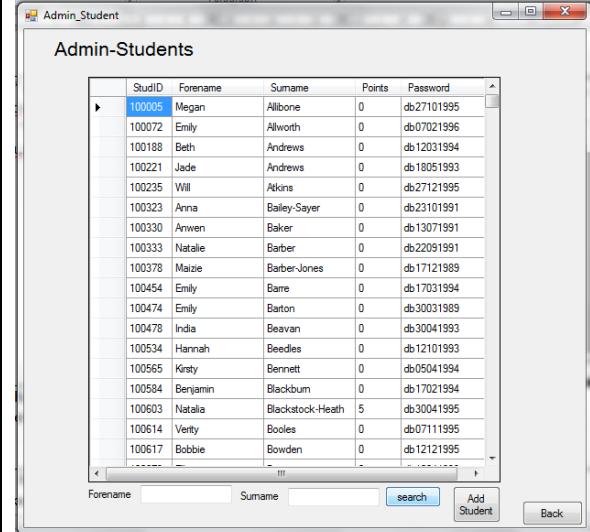
8	btnEnd	Data of TJ and I will change him to admin	You must be able to change members of staff	His file will now say he is a admin	success	 <p>The screenshot shows the Admin-Staff application interface. In the foreground, a modal window titled "Staff Editing Form" is open. It contains fields for Staff NO (88), Staff ID (abc), Forename, Surname, Points Left, and Password. A checkbox labeled "Admin" is unchecked. Below the form is a table with columns: SSB, Forename, Surname, Points Left, and Admin status. The table shows entries for SSB (Simon Bellows) and JTH (Joe Thomson). In the background, there is a larger window titled "Admin-Staff" with a grid view of staff records. The grid includes columns for Admin status and Password.</p>
8	txtStaffID	A 4 letter staff ID in txtstaffID	The staffID variable has a fixed length of 3	The textbox will only allow the user to type in 3 characters	Success	 <p>The screenshot shows the Admin-Staff application interface. In the foreground, a modal window titled "Staff Editing Form" is open. It contains fields for Staff NO (88), Staff ID (abc), Forename, Surname, Points Left, and Password. A checkbox labeled "Admin" is unchecked. Below the form is a table with columns: SSB, Forename, Surname, Points Left, and Admin status. The table shows entries for SSB (Simon Bellows) and JTH (Joe Thomson). In the background, there is a larger window titled "Admin-Staff" with a grid view of staff records. The grid includes columns for Admin status and Password.</p>

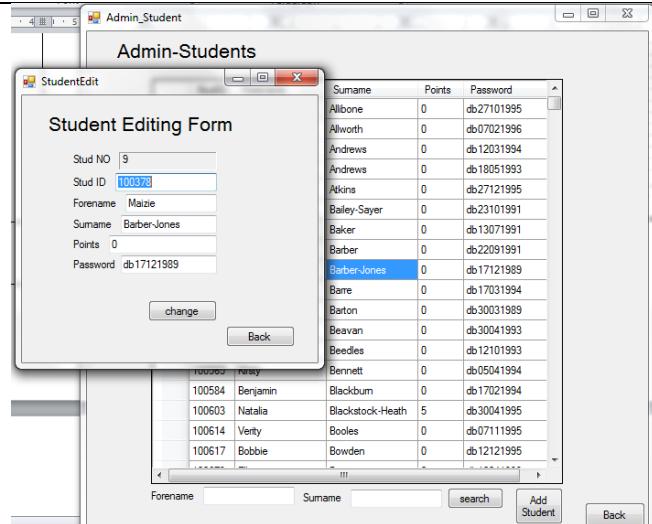
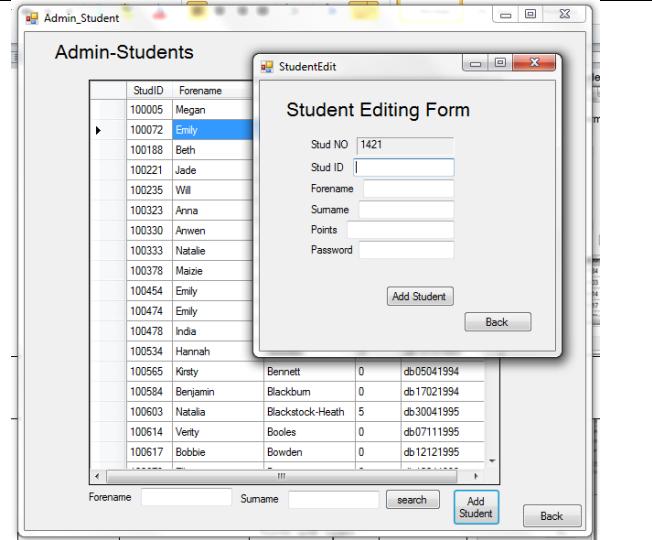
9	txtForename	A 21 letter name in txtforename	The forename variable has a fixed length of 20	The textbox will only allow the user to type in 20 characters	Success		
10	txtSurname	A 21 letter name in txtsurname	The surname variable has a fixed length of 20	The textbox will only allow the user to type in 20 characters	Success		
11	txtPassword	A 33 character password in txtpassword	The password variable has a fixed length of 64 and the length of the input double when encrypted	The textbox will only allow the user to type in 32 characters	success		

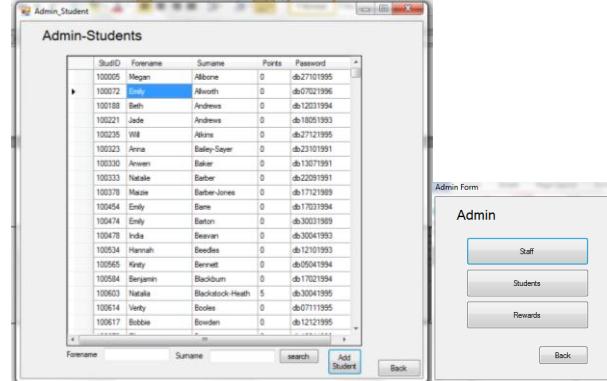
12	btnBack	N/A	You must be able to exit the form	The form will close	success	 
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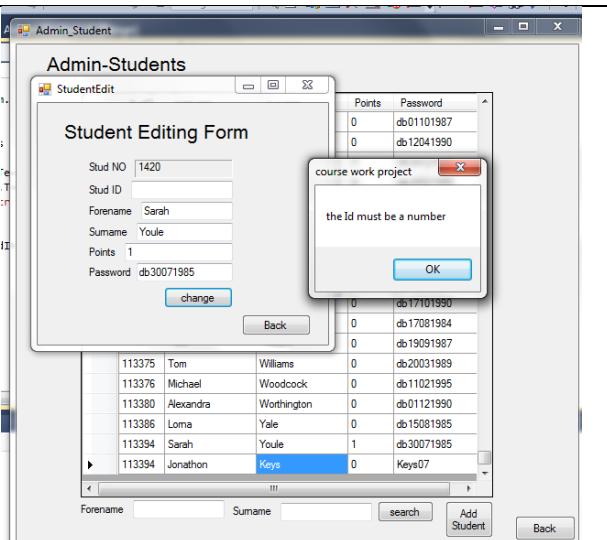
AdminStudent						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	grdStudent	The student DAT file	The data grid needs to populate so that the files can be clicked on to edit	The data grid will populate with students	success	

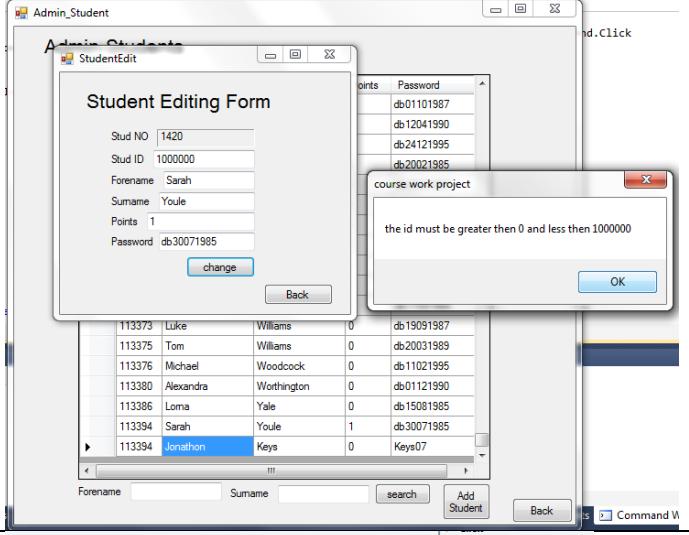
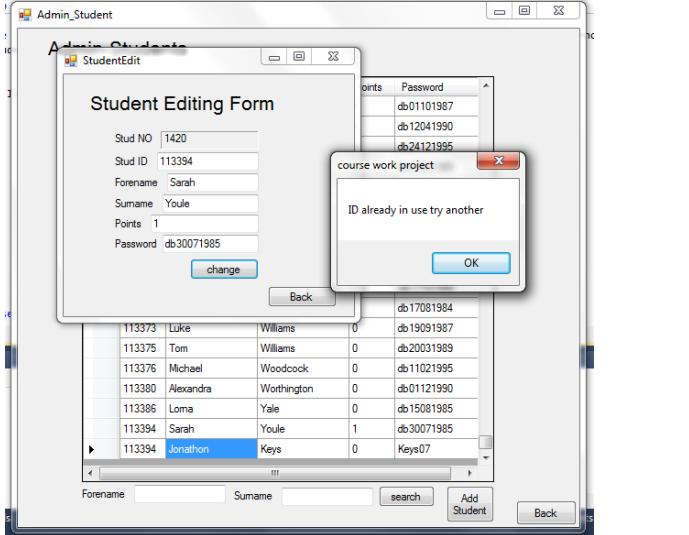
2	Btnsearch	"he" in txtforename	The admin need to be able to effectively search for students to speed up editing	The data grid will populate with only students that have a first name starting with "he"	success		
3	btnsearch	"wa" in txtsurname	The admin need to be able to effectively search for students to speed up editing	The data grid will populate with only students that have a last name starting with "wa"	success		

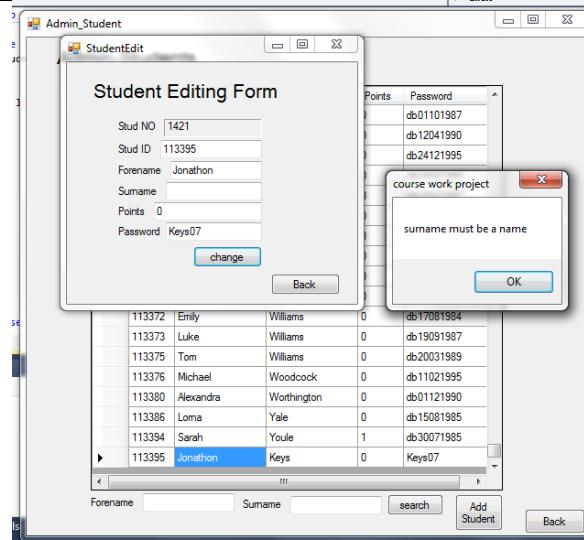
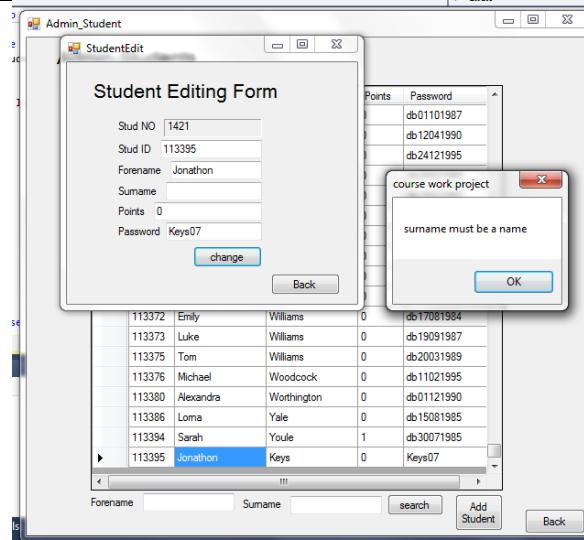
4	btnsearch	"he" in txtforename and "wa" in txtsurname	The admin need to be able to effectively search for students to speed up editing	The data grid will populate with only students whose forename begins with "he" and whose surname begins with "wa"	success		
5	btnsearch	Nothing in either text box	The data grid must be refreshable	The data grid will populate with all the students	success		

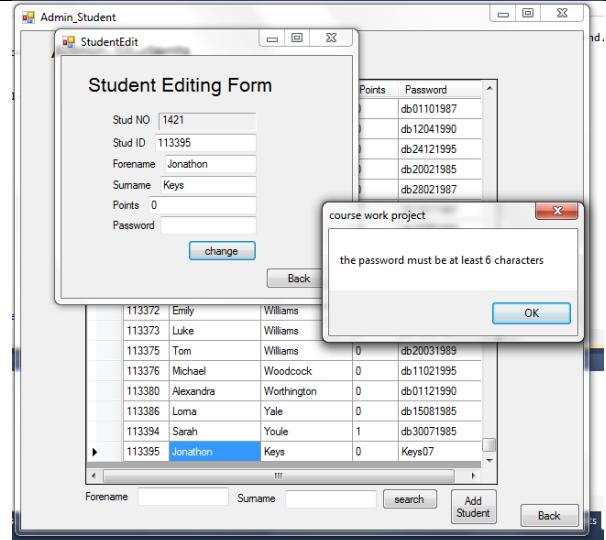
6	grdStudents	The file clicked on	The students must be editable	the studentedit form will open containing the student's data	success	
7	btnAdd	N/A	The admin must be able to add new students	The studentedit form will open	success	

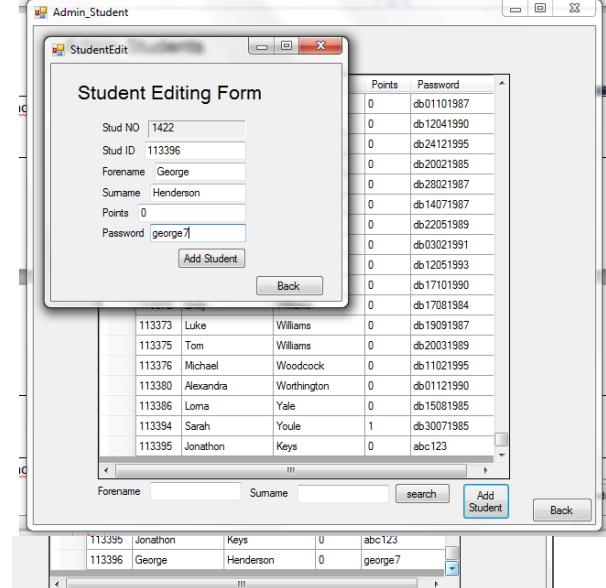
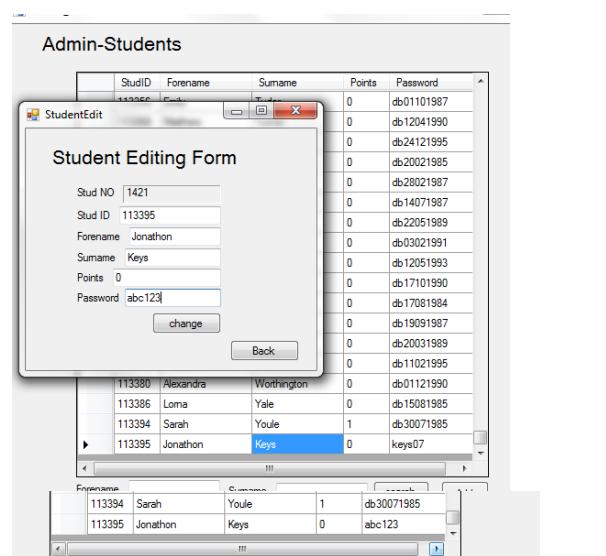
8	btnBack	N/A	The admin must be able to leave the form	The adminstudent form will close and the admindirectory form will open	success	
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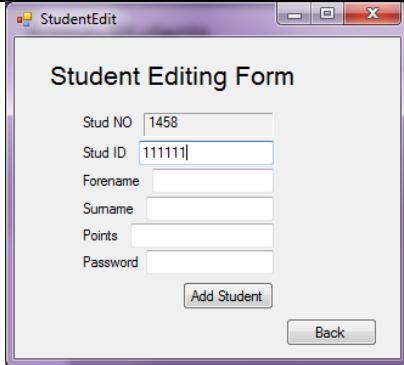
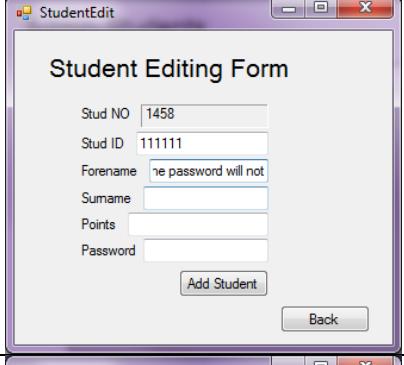
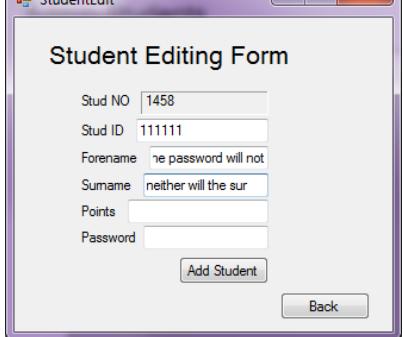
Studentedit form						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	btnEnd	Nothing in txtStudID	There must be something in txtstaffID	A message box saying that the staff id must be the initials of the staff member	success	

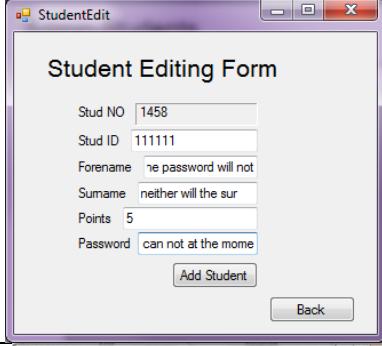
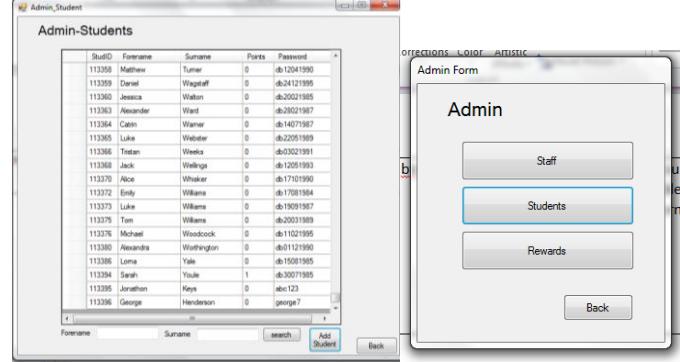
2	btnEnd	1000000 in txtstudID	The studID is 6 figures max	A message box saying that the staff id must be greater than 0 and less than 1000000	Success	 A screenshot of a Windows application window titled "Admin_Student". Inside, a sub-dialog titled "Student Editing Form" shows fields for Stud NO (1420), Stud ID (1000000), Forename (Sarah), Surname (Youle), Points (1), and Password (db30071985). A message box titled "course work project" displays the error message "the id must be greater then 0 and less then 1000000".
3	btnEnd	113394 in txtStudID	You can't have two people with the same studID	A message box that says that the ID is already in use	Success	 A screenshot of a Windows application window titled "Admin_Student". Inside, a sub-dialog titled "Student Editing Form" shows fields for Stud NO (1420), Stud ID (113394), Forename (Sarah), Surname (Youle), Points (1), and Password (db30071985). A message box titled "course work project" displays the error message "ID already in use try another".

4	btnEnd	Nothing in txtForename	There must be a forename	A message box will appear saying that the forename must be a name	success	 A screenshot of the same application window. The "Surname" field is now empty. The validation message "surname must be a name" is displayed in the modal dialog box.
5	btnEnd	Nothing in txtSurname	Everyone must have a surname	A message box will appear saying that surname must be a name	success	 This row appears identical to the previous one, showing the validation message for an empty surname field.

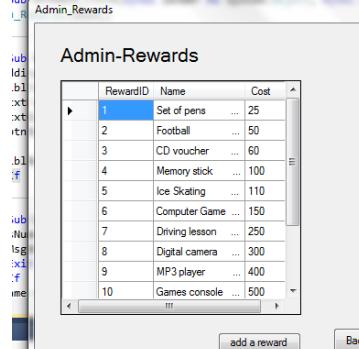
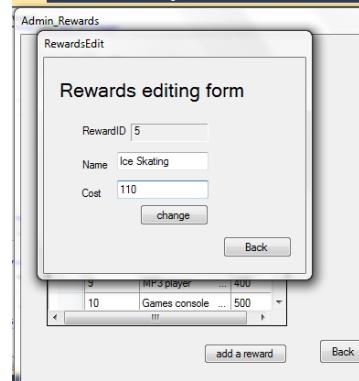
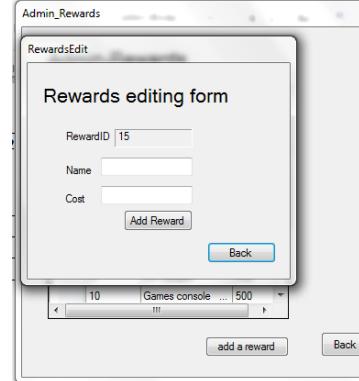
6	btnEnd	A word in the points text box	The points must be a number	A message box saying that the points must be a number	success	 A screenshot of the same application window. Now, the "Password" field is empty. The same modal dialog box appears, displaying the message "the password must be at least 6 characters" and an "OK" button.
7	btnEnd	No password	There must be a password	A message box saying that the password must be at least 6 characters	success	

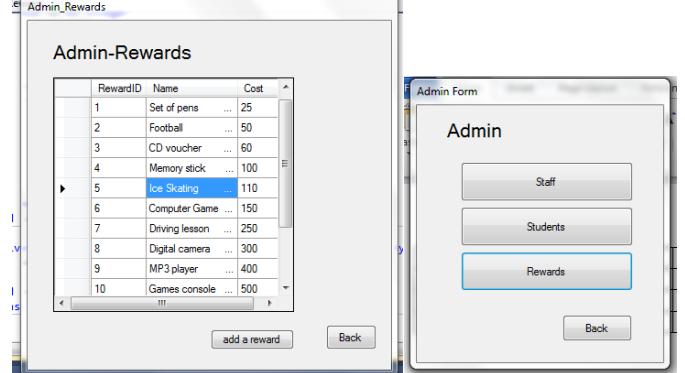
8	btnEnd	All new data added once add staff was clicked on adminstaff	You must be able to add staff	At the bottom of the data grid will be a new staff file	success	 A screenshot of the Admin_Student application. The main window shows a 'Student Editing Form' with fields for Stud NO (1422), Stud ID (113396), Forename (George), Surname (Henderson), Points (0), and Password (george7). Below this is a large data grid listing student records. A new row has been added at the bottom of the grid with the following data: <table border="1"><tr><td>113395</td><td>Jonathon</td><td>Keys</td><td>0</td><td>abc123</td></tr><tr><td>113396</td><td>George</td><td>Henderson</td><td>0</td><td>george7</td></tr></table> The 'Add Student' button is visible at the bottom of the form.	113395	Jonathon	Keys	0	abc123	113396	George	Henderson	0	george7
113395	Jonathon	Keys	0	abc123												
113396	George	Henderson	0	george7												
9	btnEnd	Data of Jonathon keys and I will change his password to abc123	You must be able to change students files	His file will now say his password is abc123	success	 A screenshot of the Admin_Student application. The main window shows a 'Student Editing Form' with fields for Stud NO (1421), Stud ID (113395), Forename (Jonathon), Surname (Keys), Points (0), and Password (abc123). Below this is a large data grid listing student records. The row for Jonathon Keys has been updated with the new password abc123. <table border="1"><tr><td>113394</td><td>Sarah</td><td>Youle</td><td>1</td><td>db30071985</td></tr><tr><td>113395</td><td>Jonathon</td><td>Keys</td><td>0</td><td>abc123</td></tr></table> The 'change' button is visible at the bottom of the form.	113394	Sarah	Youle	1	db30071985	113395	Jonathon	Keys	0	abc123
113394	Sarah	Youle	1	db30071985												
113395	Jonathon	Keys	0	abc123												

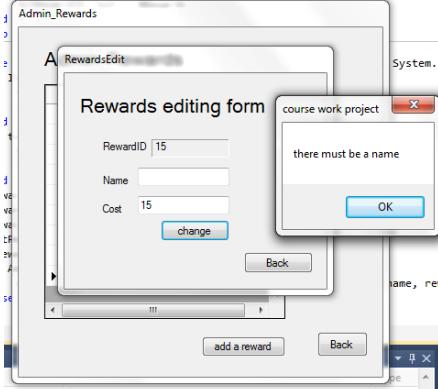
10	txtStudID	A 7 figure stud ID in txtstudID	The studID is only meant to be a sixfigure number	The textbox will only allow the user to type in 6 characters	Success		
11	txtforename	A 21 letter name in txtforename	The forename variable has a fixed length of 20	The textbox will only allow the user to type in 20 characters	Success		
12	txtsurname	A 21 letter name in txtsurname	The surname variable has a fixed length of 20	The textbox will only allow the user to type in 20 characters	Success		

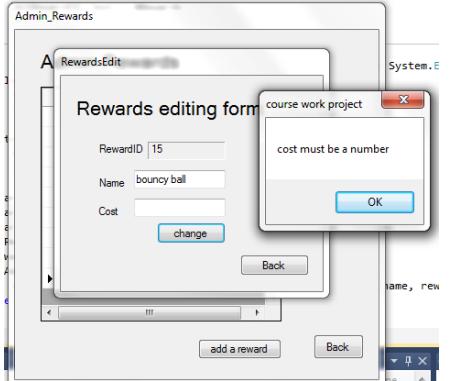
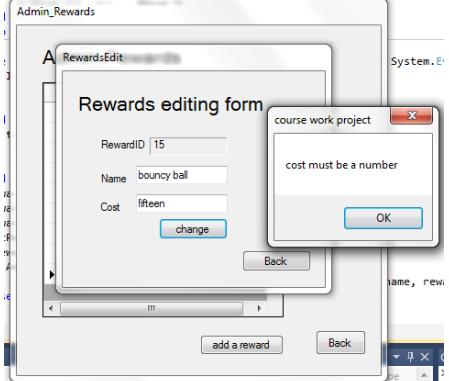
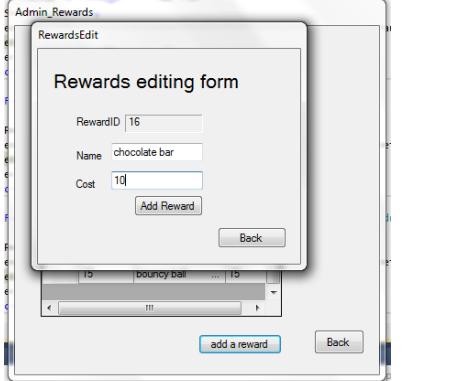
13	txtpassword	A 33 character password in txtpassword	The password variable has a fixed length of 64 and the length of the input double when encrypted	The textbox will only allow the user to type in 32 characters	success	
14	btnBack	N/A	You must be able to exit the form	The form will close	success	

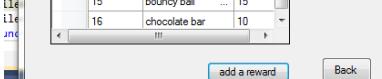
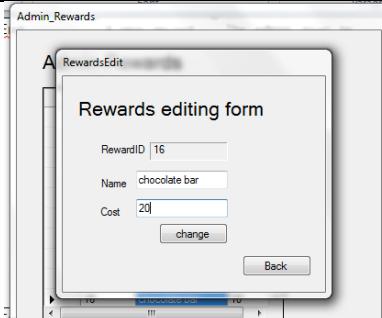
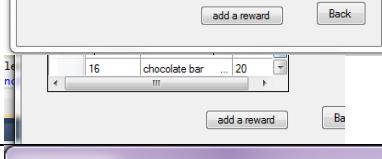
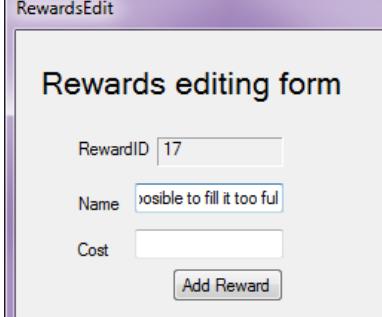
Adminrewards form						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot

1	grdRewards	The rewards DAT file	The data grid needs to be populated so that the rewards can be clicked on to edit	The data grid will populate with all the rewards	success	
2	grdrwds	The reward clicked	The students must be editable	The reward edit form will open populated with the rewards data	success	
3	btnAdd	N/A	The admin must be able to add rewards	The reward edit form will open	success	

4	btncback	N/A	The admin must be able to leave the form	The form will close and the admin directory form will open	success	
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Rewardsedit form						
Test NO	Object	Test data	Reason for test	Expected outcome	Outcome	Screen shot
1	btnEnd	Nothing in txtname	There must be a name	A message box will appear telling them that they must enter a name	success	

2	Btnend	Noting in txtcost	There must be a cost	A message box will appear saying that the cost must be a number	success	
3	Btnend	A word in cost	Cost must be a number	A message box will appear saying that the cost must be a number	success	
4	btnEnd	A new record	The admin must be able to add rewards	A new reward will be at the bottom of the data grid on the adminreward form	success	

							
5	btnEnd	Editing reward 16 so its cost is 20	The admin must be able to edit rewards	The rewards will be edited so the data grid on adminreward form will have the rewards data changed	success		
6	txtname	A 51 character name	The name variable has a fixed length of 50	The text box will not let more than 50 characters get typed in	success		

7	btnBack	N/A	The admin must be able to leave the form	The rewardsedit form will close	success	<p>The screenshot shows two windows of the Admin_Rewards application. The top window is titled 'Rewards editing form' and contains fields for RewardID (17), Name (bouncy ball), and Cost (15). It also has buttons for 'Add Reward' and 'Back'. The bottom window is titled 'Admin-Rewards' and displays a list of rewards with columns for RewardID, Name, and Cost. The reward with ID 17 is highlighted.</p> <table border="1"> <thead> <tr> <th>RewardID</th> <th>Name</th> <th>Cost</th> </tr> </thead> <tbody> <tr><td>7</td><td>Driving lesson</td><td>250</td></tr> <tr><td>8</td><td>Digital camera</td><td>300</td></tr> <tr><td>9</td><td>MP3 player</td><td>400</td></tr> <tr><td>10</td><td>Games console</td><td>500</td></tr> <tr><td>11</td><td>big bag o pens</td><td>50</td></tr> <tr><td>12</td><td>chicken</td><td>75</td></tr> <tr><td>13</td><td>cheese</td><td>31</td></tr> <tr><td>14</td><td>facepalm</td><td>1</td></tr> <tr><td>15</td><td>bouncy ball</td><td>15</td></tr> <tr><td>16</td><td>chocolate bar</td><td>20</td></tr> </tbody> </table>	RewardID	Name	Cost	7	Driving lesson	250	8	Digital camera	300	9	MP3 player	400	10	Games console	500	11	big bag o pens	50	12	chicken	75	13	cheese	31	14	facepalm	1	15	bouncy ball	15	16	chocolate bar	20
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## **Evaluation**

I feel that my finished system is really good as it fits the purpose well and completes the evaluation criteria and objectives:

This is because it keeps a consistent house style that is not very colourful and has clean minimalistic look. All the textboxes and buttons are labelled clearly and the layout is simple to understand with everything in an easily accessible place. The load time is instantaneous for most with a couple of exceptions like searching which is still less than 3 seconds. The size was kept well under the limit of 20 MB and is only 1.4 MB. The whole process was free and therefore was within budget. All inputs were validated and passwords were necessary for logon and were required to be 6 characters minimum and alpha numeric.

The student users are able to see their points, see why points were given or removed, they are able to buy rewards and are able to change their passwords. The staff are able to see their points, they are able to see the points of all the students, they are able to change their passwords and are able to give and take points. The admin are able to both add and edit staff, students and rewards. They are able to promote staff to admin, they can see the passwords of all users decrypted so that they can reset them and they are able to give more points to staff to spend.

Due to the fulfilment of the evaluation criteria and objectives as shown above I feel that it is complete.

## **Improvements**

If I were to improve my system I might put in a way to stop the admin from being able to take away admin rights from everyone thus preventing the possibility of the school getting locked out of the system.

I would also probably add in other data grids on the staff form so as to make the staff able to quickly look at their tutor group increasing the usability for the staff

I would design it to be more in the colour scheme of the school and put their logo on the forms so that it seems more personalised to the school making it feel more part of the school

I would put the ability for the staff to delete students, rewards and staff so as to save space when they are not needed or have left the school streamlining the system.

I would stick in a backup function so the admin could with just a click back up all the DAT files so they would be safe in the event of the originals getting corrupted.