

ID	User	Action	Result	Function
101	Student	Register using email, name and password	User successfully submits form - Student issued with a unique six digit registration ID - from 000,001 to 999,999	register()
102	Student	Form is rejected because of email address format	User prompted to re-enter information into the email field in the format x@domain.com	validateEmail()
103	Student	Form is rejected because of password format	User is prompted to re-enter password and guidance given: Passwords must: Start with upper-case letter, contain at least 5 letters followed by 3 or more digits.	validatePassword()
201	Student	Student presented with login form	Student presented with fields to input username, password or select forgotten password	studentLogin()
202	Student	Student inputs username (either email address or ID)	Username field validates input format (e.g. X@domain.com.), if incorrect the user is shown a message to check format - else, no action.	studentLogin()
203	Student	Student inputs password.	Password field does not validate until submission.	studentLogin()
204	Student	Student successfully submits login form	Login form details are matched to those on record and access is granted for the user - Student taken to the student subsystem	studentLogin()
205	Student	Student unsuccessfully submits login form	Details cannot be matched against those on record, error message returned to the user with a forgot password prompt	studentLogin()
206	Student	Student selects option 4 (Change password)	Student is presented with fields: old password, new password & confirm new password - validation rules apply for length and order (per reference 103)	changePassword()
207	Student	Student successfully submits change password form	student is presented with message = "You have changed your password" and returned to the main menu	changePassword()
301	Student	Student logs into the app, and is presented with a list of 4 options	Student can see the following options - 1) Enrol in a subject, 2) Remove subject from enrolment list, 3) View current enrolment list, 4) Change Password	studentLogin()
302	Student	Student selects option 1 (enrol in subject)	If student is enrolled in <4 subjects; Prompted that they have enrolled in subject. Subjects are autogenerated 3 digit integers, student is also auto generated a mark from 0-100 and a corresponding grade. Else: Student is given error message and returned to main menu option list.	enrol()
303	Student	Student selects option 2 (remove a subject)	Student is presented with a list of enrolled subjects and prompted to select subject to remove.	removeSubject()
304	Student	Student removes subjects and saves	Student selects subject(s) to remove - on execution, subjects are removed from students profile / enrolment list (student.data) and given a message = "You have removed the following subject: xxx", student is returned to main menu.	removeSubject()
305	Student	Student selects option 3 (view enrolments and results)	Student is presented with a list of their enrolments, dates and grades and a back to main menu option	getStudentEnroledSubjects()
306	Student	Student selects "Back to main menu"	Student is returned to the home screen (see reference 301)	getStudentEnroledSubjects()
401	Admin	Admin presented with login form (for the admin subsystem)	Admin presented with fields / prompts to input username and password	adminLogin()
402	Admin	Admin inputs username (email address)	Username field validates input format (e.g. X@domain.com.), if incorrect the user is shown a message to check format - else, no action.	adminLogin()
403	Admin	Admin inputs password.	Password field does not validate until submission	adminLogin()
404	Admin	Admin successfully submits login form	Login form details are matched to those on record and access is granted for the user - Admin taken to the Admin subsystem	adminLogin()
405	Admin	Admin unsuccessfully submits login form	Details cannot be matched against those on record, error message returned to the user.	adminLogin()
501	Admin	Admin is presented with a full list of students (in the dedicated admin subsystem) ordered by student ID	Admin can see a full list of students including name, ID, enrolments, grades and status (Pass / Fail)	viewAllStudents()
502	Admin	Admin is prompted / presented with list of actions - 1 = Sort by Grade, 2 = Categorise Students by Pass / Fail, 3 = Remove Student, 4 = Clear Student Record	Admin can see the options and can see the input field in CLI	viewAllStudents()
503	Admin	Admin selects option 1, sort by grade.	By default list of students is re-ordered descending from highest grade to lowest grade. Initial list of options re-presented.	sortStudents()
504	Admin	Admin selects option 2, categorize by pass / fail	By default list of students is re-ordered: Pass -> Fail, then by student ID	categorizeByPassStatus()
601	Admin	Admin selects option 3 to delete a student	Prompt appears asking for student ID or an option to return to the student list / main menu (per reference 301)	removeStudent()
602	Admin	Admin inputs student ID into the "Delete Student prompt" and submits	Student record is deleted from the database (.csv file), Admin receives prompt (you have successfully deleted student "XXX,XXX" and is returned to the main option menu	removeStudent()
603	Admin	Admin inputs incorrect student ID	Admin receives prompt: "Student message incorrect, try again" - input prompted again - "or return to the main menu" by typing a key command	removeStudent()
604	Admin	Admin selects option to return to the main menu	Admin is returned to the student list / main menu (per reference 301)	removeStudent()
701	Admin	Admin selects the option 4 to clear a student record	Prompt appears asking for student ID	clearStudentData()
702	Admin	Admin inputs student ID into the "clear student record prompt" and submits	Student record is cleared (enrolments, marks and grades) from the database (.csv file)	clearStudentData()
703	Admin	Admin inputs incorrect student ID	Admin receives prompt: "Student message incorrect, try again" - input prompted again.	clearStudentData()
704	Admin	Admin selects option to return to the main menu	Admin is returned to the student list / main menu (per reference 301)	clearStudentData()

Notes

1) User Backlog Table ID Grouping

Prefix	User	Action Category
1	Student	Manage Personal account
2	Student	Login / User Credentials
3	Student	View and Manage enrolments
4	Admin	Login
5	Admin	View / Sort Student accounts
6	Admin	Delete Students
7	Admin	Clear Student Record

2) UTS Grading table

Score Rang	Grade
<50	Z
50 - 64	P
65 - 74	C
75 - 84	D
85 - 100	HD



