

4. Integration/Regression Testing

4.1 Integration and Regression Testing

In the event that a unit does not pass the following tests, that unit will be fixed, and then that unit along with all linked units will be re-evaluated for accuracy. A listing of the linked units can be found in section 4.2 of this document. In the event that one unit passes and the other does not pass, both units will need to be evaluated in order to determine where and why the error occurred. In that event, depending on the circumstances in which the error occurred, all affected units may need to be retested.

4.2 Linked Units

Unit Number	P/F	Unit Changed	Affected Units
2	P	Welcome : Student	12
3	P	Welcome : Instructor	19
4	P	Welcome : Course Coordinator	28
5	P	Welcome : Administrator	39
7	P	Student Registration	25,26,35,36,43,44,55,56
8	P	Student Profile Editing	25,26,35,36,43,44,55,56
14	F	Student Homework Question Solution	15,18,25,26,27,35,36,37,43,44,45
16	P	Instructor Profile Editing	55,56
17	P	Instructor Home	13,29,38
19	F	Instructor Question Pools	30,32,40,46
20	F	Instructor Create Question Set	15,21,22,30,31,32,40,46,47
25	P	Course Coordinator Profile Editing	55
26	P	Course Coordinator Home	13,20,38
27	F	Course Coordinator Pending Requests	22, 32,40,46
29	F	Course Coordinator Question Pools	22,40,46
30	F	Course Coordinator Create Question Set	15,21,22,31,32,40,46,47
35	P	Administrator Home	13,20,29
36	P	Administrator Profile Editing	55
37	F	Administrator Pending Requests	22,30,32,46
38	F	Administrator Create Question Set	15,21,22,31,32,46,47
43	F	Administrator Question Pools	22,32
45	F	Instructor Change Grade	15,18,20,25,26,27,31,35,36,37,43,44,45,47
46	F	Course Coordinator Change Grade	15,18,20,25,26,27,31,35,36,37,43,44,45,47
51	P	Administrator Control Panel	2,4,6,8,12,13,19,28,29,38,39

5. Acceptance Testing

5.1 Acceptance Testing

Acceptance testing involves running a collection of test on the completed system. Each test case examines a particular operation or feature of the system, resulting in a pass or fail outcome. The testing environment is designed to be as close as possible to the expected user environment, also taking into account extremes that may be involved. The test cases are accompanied by data and a formal description of the activities to be performed, and also a thorough description of its results.