

Brett Worley
CEG-3110-01

Homework 3: Equivalence class and Boundary testing

To implement equivalence classes and boundary testing, we will need to analyze the requirements for the system and develop equivalence classes that will show the border values to test against. By going through the requirements for the system, we can identify the border conditions and come up with the following equivalence partitions shown in table 1.

Table 1: Equivalence Partitions.

Less than 9 characters	At least 9 characters and not more than 24 characters	More than 24 characters
Contains no blank spaces	Contains no blank spaces	
Contains insufficient lower case	Contains sufficient lower case	
Contains insufficient upper case	Contains sufficient upper case	
Contains insufficient numbers	Contains sufficient numbers	
Contains insufficient special characters	Contains sufficient special characters	
Contains a identical five-character substring	Does not contain a identical five-character subtring	

Test Case 1	
Purpose	Testing a valid password
Input	DahatB2559_@
Previous Passwords	test this crapeiie
Expected Output	ACCEPTED

Test Case 2	
Purpose	Testing against a similar password
Input	SsaPmis628@@
Previous Passwords	#558#&;DoGs AVery990#^ ToT86635ss/<
Expected Output	REJECTED: password too similar to a previous password

Test Case 3	
Purpose	Testing against password containing a space
Input	&^!aaCH91 chat
Previous Passwords	#558#&;DoGs AVery990#^ SimPass12!!
Expected Output	REJECTED: password too similar to a previous password

Test Case 2	
Purpose	Testing against a similar password
Input	SsaPmis628@@
Previous Passwords	#558#&;DoGs AVery990#^ SimPass12!!
Expected Output	REJECTED: password too similar to a previous password

Test Case 2	
Purpose	Testing against a similar password
Input	SsaPmis628@@
Previous Passwords	#558#&;DoGs AVery990#^ SimPass12!!
Expected Output	REJECTED: password too similar to a previous password

Test Case 2	
Purpose	Testing against a similar password
Input	SsaPmis628@@
Previous Passwords	#558#&;DoGs AVery990#^ SimPass12!!
Expected Output	REJECTED: password too similar to a previous password