# DESIGN

Main

# Initialize constants

# Print instructions

# Validate length of password

# Length must be at least 8 characters

# Length must be no more than 1024 characters

# Validate if password contains the required characters

# Password must contain a number

# Password must contain a letter from A to Z

# Validate that the password does not have a prohibited character

# Password cannot contain a space (“ “)

# Output results of checks

# Output if the password is valid, that is, passes all checks.

End

# TEST PLAN

|  |  |  |
| --- | --- | --- |
| Test # | Input | Expected Output |
| 1 | SuperLongPassword\_well\_not\_really\_a11\_th@t\_l0ng. | Pass |
| 2 | This password will fail | Fail |
| 3 | 3.141592653589793238462643383279502884197169399375105820974944592307816406286208998628034825342117067 | Fail |
| 4 | 1felt6divulge9industry6hyping3kudo4allure4manitoba3pard4leopard2volute2stamina2teepee8beseech2parka7sultan2lung2brindled8sometime9urbanize4botany6cogwheel8accuse7firetrap6pathogen3ambient2deride8deviancy9gore2ladder8truth | Pass |

# SCREEN SHOTS

Case 1

A computer screen shot of a blue screen

Description automatically generated with low confidence

Case 2

A picture containing text, electronics, screenshot, software

Description automatically generated

Case 3

A picture containing text, electronics, screenshot, software

Description automatically generated

Case 4

A computer screen shot of a blue screen

Description automatically generated with low confidence