Theory : - Password Security

1. Title: - How to create a memorable Strong Password
2. Objective: -

* Why it is important?
  + Most big company’s requires from their employees to change their password every 2 month or 3 month and most employees got difficulties on creating a memorable strong password.
  + IT personnel’s spend pointless time to support employees on password related issues/recovery.
* What value this presentation will produce?
  + Strong password protects company’s asset or personal information’s from brute force attacks or dictionary attacks. This presentation help employees and companies on creating a strong password. A password that are impossible for individual hackers to break by the above two option’s
* Audience Expectation
  + This presentation encourages employees to memorize only 3 rules

1. Content

* Presentation
* What is Information Technology Security? (Physical Security, Network Security, Email Security, Password Security)
* What is strong password? What is brute force attacks? What is dictionary attacks?
* Words that are written by Latin alphabet (a, b, c, d, ….) contains 5 vowels and 21 consonants
* Practice

1. Design

Events

* click :- displays definition
* mouseenter: - displays prepared by and for office use only in the footer,
* mouseleave: - hidess footer message
* focus: - make the selected element bright
* blur: make the unselected element blur
* responsive

1. Construction
2. Test
3. Hosting
4. Publicity
5. Review

II. Practice

Best Practices of Angular JS

1. Use ng-bind instead of {{}} for the first home page
2. AngularJS library must be at the top of the page i.e. inside head

Password Security development and design ideas

1. Create custom filters for Capitalization
2. Create a drop down menu for substitution
3. Create custom filters for Substitution
4. use $timeout service to run the function after the input is set
5. ng-show and init helps to change message I.e. Less than  8 char or more than 8  char
6. disable next link if there is no input or rules are not selected
7. create a custom validation for the strength of the password
8. use spa to create notes and icons to show directions

AngularJS Examples to design password Security

1. change the style of the page online

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_expression\_3

1. form validation

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_model\_css

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_model\_validate

1. how to create independent controller

http://www.w3schools.com/angular/personController.js

1. Order table data's

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_filters\_orderby\_click

1. Create custom filter

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_filters\_custom

1. $timeout service runs a function after some time

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_services\_timeout

1. Create custom services

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_services\_custom

1. $ http returning JSON object

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_customers\_json

1. Create a drop down list

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_select

1. Create custom validation

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_validate\_custom

1. Add or remove items

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_app4

1. Single web page -for full web design

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_routing

http://www.w3schools.com/angular/tryit.asp?filename=try\_ng\_routing\_provider

One ng-view for application. It is used as a place holder

Design Steps

1. Select two or more words.   
   Total number of letters must be greater than 8
2. Count letters
3. If the first two is greater than 8 disable the third field and display a message
4. Capitalize the letters based on the selected rule
5. Substitute the space with number

Concatenate the words

1. Substitute the vowels with special characters use javascript - jLite
2. Check the strength of the password