

CPSC SENIOR CAPSTONE MAJOR-FEATURES CHECKLIST					
<i>The major-features checklist is a list of the broad feature areas, constraints that must be met, and other major items that must be completed for the project to be considered successful. The list of major features should be identified in consultation with your project sponsor and representatives of your target end-user community. The checklist must be initially approved by your project sponsor and faculty advisor. Changes can be made, but must be documented (below) and approved by your project sponsor and faculty advisor.</i>					
Team Number	CPSC 4				
Team Name	Machine Learning Facial Recognition				
Feature #	Feature Description				
1	An API that developers can use	An API that web developers can implement in their websites			
2	Access webcam	Request and obtain access to webcam to get in video/image feed.			
3	Ask user for name and password	Fields for user name and password input			
4	Populate password fields	Given a known user, fill in the element with the password.			
	Identify user with high accuracy	We would like to have greater than 95% accuracy in recognizing an individual. Because of the confidential nature of the application, false positives are worse than being unable to identify a known user.			
5					
	Allows users to customize passwords	The user shall be able to add/remove/modify their list of passwords. This can give the user more control over which websites have facial recognition functionality.			
6					
	Visual indications of software in operation/success	The application gives some visual cue to the user that it is attempting to autofill/recognize, and then indicate whether this attempt is successful or not.			
7					
	Storing webcam images for neural network usage	Be able to store images for training the neural network. Keep the files locally.			
8					
	Additional help for user to capture their image (pop up a box that displays the camera)	The recognition task can sometimes be faulty, especially if the input image is noisy. Therefore, there will be a visual tool to help obtain clear images from the user.			
9					
	Add additional users per site	Be able to have more than one user for gaining access to a site.			
10					
	The product must not be too slow or obstruct the user's website experience	The product must not be too slow or obstruct the user's website experience			
11					
12					
13					
14					
15					
(*) To be added by sponsor at end-of-year meeting					
Revision History					
For each date, provide a brief description of the change and the date the change was made here.					