

Data Requirements:

Variable name	Function	Data type	Reason
\$isValid	To determine if email entered by user is valid	Boolean	As email entered is either valid(true) or not valid(false)
\$atIndex	As a form of validation to make sure the email entered has an @ in	String	To locate position of @ sign.
\$domain	To do a length check on the domain of the email.	String	To assign the whole email to a variable
\$local	To assign the part of the email before the @ sign to a variable.	string	To help validate the first part of the email
\$localLen	Counts the number of characters in the local part of the email	string	To validate the length of the \$localLen
\$domainLen	Counts the number of characters in the domain	string	To validate the length of the domain
\$password	Assigning the users	string	To allow for validation

	input for password to a variable.		to the password.
\$cpassword	Assigning the users input for confirm password to a variable	String	To allow for validation of the password.
\$passwordErr	To output a message when validation of password isn't met	string	If there is an error then it outputs a message.
\$confirmpErr	To output a message when confirmed password is check against password	String	To output an error when confirm password doesn't match password
\$nameErr	To check if the field "name" is filled	string	To make sure there is a present value
\$name	Assigns the input to the field "name"	string	To assign a value to the variable name
\$surnameErr	To check if the field "surname" is filled	string	To make sure there is a present value
\$surname	Assigns the input to the field "surname"	string	To assign a value to the variable name
\$data		string	