TDD Assignment

Test Cases for User SignUp page.

Class Inputter{

      Inputter I = new Inputter();

      function signUp(email,pass){

            validateEmail(email);

            validatePassword(pass);

            store(email,pass);

      }

}

Class Service{

      Service S= new Service();

      function validateEmail(email){

      }

      function validatePassword(pass){

      }

      function store(email,pass){

      }

}

Acceptance Criteria:

For a user to be to Sign Up following conditions must be matched:

1. Email id should be valid .

2. Email id should be unique .

3. Password should be atleast 8 characters long.

Iteration	Test	Function Body	Status

1	Output = S.validateEmail(aa)
	Output == false
		validateEmail(email)
		{
		
		}
			Fail.

2	Output = S.validateEmail(aa@)
	Output == false
		validateEmail(email)
		{
		  A valid email should contain @
		    if email is valid
		     return true;
		    else
		     return false;
		}
			Fail.

3	Output = S.validateEmail(a@gmail.)
	Output == false
		validateEmail(email)
		{
		  A valid email should contain @ and .
		    if email is valid
		     return true;
		    else
		     return false;
		}
			Fail.

4	Output = S.validateEmail(a@gmail.)
	Output == false
		validateEmail(email)
		{
		  A valid email should be of format:
		
		    string1@string2.string3
		
		    if email is valid
		     return true;
		    else
		     return false;
		}
			Pass.

5	Output = S.validateEmail(a@gmail.com)
	Output == true
		validateEmail(email)
		{
		  A valid email should be of format:
		    string1@string2.string3
		
		    if email is valid
		     return true;
		    else
		     return false;
		}
			Pass.

Iteration	Test	Function Body	Status
6	Output = S.validateEmail(a@12s.com) Output == false	validateEmail(email) { A valid email should be of format: *string1@string2.string3* if email is valid return true; else return false; }	Fail.
7	Output = S.validateEmail(a@12s.com) Output == false	validateEmail(email) { A valid email should be of format: *string1@string2.string3* string1 can contain digits but string2 and string3 can not contain digits. if email is valid return true; else return false; }	Pass.
8	Output = S.validateEmail(a@12s.c1om) Output == false	validateEmail(email) { A valid email should be of format: *string1@string2.string3* string1 can contain digits but string2 and string3 can not contain digits. if email is valid return true; else return false; }	Pass.
9	Output = S.validateEmail(aditi@gmail.com) Output == true	validateEmail(email) { A valid email should be of format: *string1@string2.string3*	Pass.

Iteration	Test	Function Body	Status

		string1 can contain digits but string2 and string3 can not contain digits.
		   if email is valid
		     return true;
		   else
		     return false;
		}	

10	Output = S.validateEmail(a123@gmail.com)
	 Output == true
		validateEmail(email)
		{
		   A valid email should be of format:
		
		     string1@string2.string3
		
		string1 can contain digits but string2 and string3 can not contain digits.
		   if email is valid
		     return true;
		   else
		     return false;
		}
			Pass.

11	Output = S.validatePassword(aa)
	 Output == false
		validatePassword(pass)
		{
		
		}
			Fail.

12	Output = S.validatePassword(aa)
	 Output == false
		validatePassword(pass)
		{
		  if(pass.length>=8)
		    return true;
		  else
		    return false;
		}
			Pass.

13	Output = S.validatePassword(abcdsefa)
	 Output == true
		validatePassword(pass)
		{
		  if(pass.length>=8)
		    return true;
		  else
		    return false;
		}
			Pass.

14	Output = S.validatePassword(a12s34d564)
	 Output == true
		validatePassword(pass)
		{
		  if(pass.length>=8)
		    return true;
			Pass.

Iteration	Test	Function Body	Status

		else
		    return false;
		}	

15	Output = S.validatePassword(a@#$rf%6)
	 Output == true
		validatePassword(pass)
		{
		   if(pass.length>=8)
		     return true;
		   else
		     return false;
		}
			Pass.

16	Output = S.store(aditi@gmail.com,abc12345)
	 Output == true
		store(email,pass)
		{
		
		}
			Fail.

17	Output = S.store(aditi@gmail.com,abc12345)
	 Output == true
		store(email,pass)
		{
		  Store the record in database.
		  return true;
		}
			Pass.

18	Output = S.store(aditi@gmail.com,abc12345)
	 Output == error("Email is not unique.")
		store(email,pass)
		{
		  Store the record in database.
		  return true;
		}
			Fail.

19	Output = S.store(aditi@gmail.com,abc12345)
	 Output == error("Email is not unique.")
		store(email,pass)
		{
		  if email is unique
		    Store the record in database
		     return true;
		  else
		    return error("Email is not unique.");
		}
			Pass.

20	Output = S.store(ad123@gmail.com,ad123456)
	 Output == true
		store(email,pass)
		{
		  if email is unique
		    Store the record in database
		     return true;
		  else
		    return error("Email is not unique.");
		}
			Pass.

21	Output = S.store(ad123@gmail.com,ad123456)
	 Output == error("Email is not
		store(email,pass)
		{
		  if email is unique
		    Store the record in database
			Pass.

Iteration	Test	Function Body	Status

	unique.")	return true;
		  else
		    return error("Email is not unique.");
		}	

22	Output = I.signUp(aa,aa)
	 Output == false
		signUp(email,pass)
		{
		
		}
			Fail.

23	Output = I.signUp(aa,aa)
	 Output == false
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
		    validatePassword(pass) &&
		    store(email,pass))
		    return true;
		  else
		    return false;
		}
			Pass.

24	Output = I.signUp(" "," ")
	 Output == "Field Empty"
		signUp(email,pass)
		{ if (email== " " || pass == " ")
		    return "Field Empty" ;
		
		    else if (validateEmail(email)
		&& validatePassword(pass) &&
		    store(email,pass))
		    return true;
		  else
		    return false;
		}
			Pass.

25	Output = I.signUp(aaa," ")
	 Output == "Field Empty"
		signUp(email,pass)
		{ if (email== " " || pass == " ")
		    return "Field Empty" ;
		
		    else if (validateEmail(email)
		&& validatePassword(pass) &&
		    store(email,pass))
		    return true;
		  else
		    return false;
		}
			Pass.

26	Output = I.signUp(" ",aaa)
	 Output == "Field Empty"
		signUp(email,pass)
		{ if (email== " " || pass == " ")
		    return "Field Empty" ;
		
		    else if (validateEmail(email)
		&& validatePassword(pass) &&
			Pass.

Iteration	Test	Function Body	Status

		store(email,pass))
		   return true;
		 else
		   return false;
		}	

27	Output =
	signUp(ad12@gmail.com,ad1234
	56)
	 Output == true
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
		   validatePassword(pass) &&
		   store(email,pass))
		   return true;
		 else
		   return false;
		}
			Pass.

28	Output =
	signUp(ad12@gmail.com,ad1234
	56)
	 Output == false
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
		   validatePassword(pass) &&
		   store(email,pass))
		   return true;
		 else
		   return false;
		}
			Pass.

29	Output =
	signUp(a@12mail.com,ad123456)
	 Output == false
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
		   validatePassword(pass) &&
		   store(email,pass))
		   return true;
		 else
		   return false;
		}
			Pass.

30	Output =
	signUp(ad12@gmail.com,ad123)
	 Output == false
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
		   validatePassword(pass) &&
		   store(email,pass))
		   return true;
		 else
		   return false;
		}
			Pass.

31	Output =
	signUp(ad12@g1mail.com,ad123)
	 Output == false
		signUp(email,pass)
		{
		 if (validateEmail(email) &&
			Pass.

Iteration	Test	Function Body	Status

		validatePassword(pass) && store(email,pass))
		   return true;
		else
		   return false;
		}	

S.No.	validatePassword(pass)	validateEmail(email)	store(email,pass)	signUp(email,pass)	Test Case
1	F	F	F	F	31
2	P	F	F	F	29
3	F	P	F	F	30
4	P	P	P	P	27
5	P	P	F	F	28