Yarnder Test plan

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TC#1: Successful user registration

Pre-condition	-
Post-condition	The user is registered.

Step	Data	Result
Navigate to the registration page.	http://yarnder.com/register	The registration form page loads.
Input valid data in the "Email" field.	knitter1@gmail.com	-
Input valid data in the "Username" field.	knitter1	-
Input valid data in the "Password" field.	Azerty!!	-
Input valid data in the "Confirm Password" field.	Azerty!!	-
Click on the "Register" button.	-	A success message appears.

TC#2: User registration empty state

Pre-condition	-
Post-condition	The user is informed that filling up the form is necessary to register.

Step	Data	Result
Navigate to the registration page.	http://yarnder.com/register	The registration form page loads.
Click on the "Register" button.	-	An error message appears for the empty form.

TC#3: User registration username validations		
Pre-condition		There must be a registered user with the username: knitter1.
Post-condition		The user is informed that the username is not available.
Step	**Data**	**Result**
Navigate to the registration page.	http://yarnder.com/register	The registration form page loads.
Input already used username in the "Username" input field.	knitter1	An error message appears for the already used username.

TC#4: User registration email validations		
Pre-condition		There must be a registered user with the email: knitter1@gmail.com.
Post-condition		The user is informed that a valid and available email is necessary to register.
Step	**Data**	**Result**
Navigate to the registration page.	http://yarnder.com/register	The registration form page loads.
Input already registered email in the "Email" input field.	knitter1@gmail.com	• An error message appears informing user that an account is already created using this email address • A quick link to the Login page is displayed
Input email without @, domain name and top level domain name in the "Email" input field.	knitter1	An error message appears for the invalid email.
Input email without @ in the "Email" input field.	knitter1gmail.com	An error message appears for the invalid email.
Input email without the domain name in the "Email"	knitter@.com	An error message appears for the invalid email.

input field.		
Input email without the top level domain name in the "Email" input field.	knitter1@gmail	An error message appears for the invalid email.

TC#5: User registration password validations		
Pre-condition	-	
Post-condition	The username is informed that a valid and confirmed password is necessary to register.	
Step	**Data**	**Result**
Navigate to the registration page.	http://yarnder.com/ register	The registration form page loads.
Input password that has less than 8 characters in the "Password" input field.	Azer!!	An error message appears for the password length.
Input password that doesn't contain any upper case letter in the "Password" input field.	azerty!!	An error message appears for the missing upper case letter.
Input password that doesn't contain any lower case letter in the "Password" input field.	AZERTY!!	An error message appears for the missing lower case letter.
Input password that doesn't contain any special character in the "Password" input field.	Azertyui	An error message appears for the missing special character.
Input valid data in the "Password" input field.	Azerty!!	No error message appears.
Input a different password in the "Confirm password" field.	Qwerty!!	An error message appears for mismatched passwords.

TC#6: Successful user login with email		
Pre-condition		There must be an already registered user with the following data: ● Email: knitter1@gmail.com ● Password: Azerty!!
Post-condition		The user is logged in.
Step	**Data**	**Result**
Navigate to the login page.	http://yarnder.com/login	The login form page loads.
Input valid email and password in the corresponding fields.	Emai: knitter1@gmail.com Password: Azerty!!	-
Click on the "Log in" button.	-	● The user is logged in. ● The user is redirected to the Matching page.

TC#7: Successful user login with username		
Pre-condition		There must be an already registered user with the following data: ● Username: knitter1 ● Password: Azerty!!
Post-condition		The user is logged in.
Step	**Data**	**Result**
Navigate to the login page.	http://yarnder.com/login	The login form page loads.
Input valid username and password in the corresponding fields.	Username: knitter1 Password: Azerty!!	-
Click on the "Log in" button.	-	● The user is logged in. ● The user is redirected to the Matching page.

TC#8: User login validation		
Pre-condition	-	
Post-condition	The user is informed that valid credentials are necessary to log in.	
Step	**Data**	**Result**
Navigate to the login page.	http://yarnder.com/login	The login form page loads.
Click on the "Log in" button".	-	An error message appears for the empty form.
Input valid data in the "Email or username" field.	knitter1	-
Click on the "Log in" button".	-	An error message appears for the missing password.
Input unknown credentials in "Email or username" and "Password" field.	Email or username: farmer1 Password: Qwerty!!	An error message appears for invalid credentials.

TC#9: Registration to login page redirect		
Pre-condition	-	
Post-condition	The user is redirected to the Login page.	
Step	**Data**	**Result**
Navigate to the registration page.	http://yarnder.com/register	The registration form page loads.
Click on the "Login here" link below the form.	-	The user is redirected to the Login page.

TC#10: Login to registration page redirect		
Pre-condition	-	
Post-condition	The user is redirected to the registration page.	
Step	**Data**	**Result**
Navigate to the login page.	http://yarnder.com/login	The login form page loads.
Click on the "Sign up" link below the form.	-	The user is redirected to the registration page.

TC#11: Matching page button selection across different categories		
Pre-condition	-	
Post-condition	The user is able to select multiple yarn type buttons in one or multiple categories.	
Step	**Data**	**Result**
Navigate to the matching page.	http://yarnder.com/matching	- The matching page loads. - The yarn type buttons are in their default unselected state. - The "Show Match" button is disabled.
Click on one yarn type button within the Fiber category.	Sheep wool	- The filter button switches to the selected state. - The "Show Match" button is enabled.
Click on another yarn type button within the Fiber category.	Cotton	The filter button switches to the selected state.
Click on another yarn type filter button from the Spinning Structure category.	Worsted	The filter button switches to the selected state.

TC#12: Trigger a matching query		
Pre-condition	-	
Post-condition	A list of matching projects is shown to the user.	

Step	Data	Result
Navigate to the matching page.	http://yarnder.com/ matching	• The matching page loads. • The yarn type buttons are in their default unselected state. • The "Show Match" button is disabled.
Click on the "Sheep wool" yarn type filter button.	-	• The filter button switches to the selected state . • The "Show Match" button is enabled.
Click on the "Woolen" yarn type filter button.	-	The filter button switches to the selected state.
Click on the "Show Match" button.	-	• A list of matching projects appears. • The "Show Match" button has changed to a "Reset" button.

TC#13: Reset the matching results		
Pre-condition	The user already triggered a matching query.	
Post-condition	The matching page resets to the default state.	

Step	Data	Result
Click on the "Reset" button.	-	• The list of matching project results disappears. • The "Reset" button has changed back to a "Show Match" button. • The previously selected yarn type filter button(s) return to their default unselected state.

TC#14: No match found		
Pre-condition		-
Post-condition		The user is informed that no suitable match is available for this yarn type selection.
Step	**Data**	**Result**
Navigate to the matching page.	http://yarnder.com/matching	- The matching page loads. - The yarn type buttons are in their default unselected state. - The "Show Match" button is disabled.
Click on the "Linen", "Woolen", "Single", "Superwash" yarn type filter buttons.	-	- The filter buttons switch to the selected state . - The "Show Match" button is enabled.
Click on the "Show Match" button.	-	- A "No match found" message appears. - The "Show Match" button has changed to a "Reset" button.

TC#15: Redirect to the database page from the matching page		
Pre-condition		-
Post-condition		The user is redirected to the Database page.
Step	**Data**	**Result**
Navigate to the matching page.	http://yarnder.com/matching	- The matching page loads. - The yarn type buttons are in their default unselected state. - The "Show Match" button is disabled.
Click on the "Database" link at the bottom of the page.	-	The user is redirected to the Database page.

TC#16: Yarn properties side panel open and close functionality		
Pre-condition	-	
Post-condition	-	
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/ database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state. • The side panel opens with the properties and comment section corresponding to the selected yarn type.
Click on the 'X' button on the top right of the side panel.	-	• The side panel closes. • The previously selected yarn type button switches back to the unselected state .
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state • The side panel opens with the properties and comment section corresponding to the selected yarn type.
Click anywhere outside of the side panel component	-	• The side panel closes. • The previously selected yarn type button switches back to the unselected state .

TC#17: View community comments as a logged out user		
Pre-condition		The user must be logged out.
Post-condition		The public user is able to view and browse comments and is informed that he must be logged in to add his own.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state. • The properties side panel opens.
Assert the comments section and Sign Up / Log in Prompt.	-	• The prompt to Sign Up or Log In to Add comments appears. • The comment section contains the 2 most recent comments and the "Show more" button.
Click on the "Show more" button under the top comments.	-	The next 10 comments are loaded in chronological descending order with a scroll behavior.
Click on any image preview in a user comment.	-	The image opens in a new tab and appears in full size.

TC#18: Redirect to the registration page from the yarn properties side panel		
Pre-condition		The user must be logged out.
Post-condition		The user is redirected to the registration page.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state. - The properties side panel opens. - User will be shown a quick way to access the sign up and login pages
Click on the "Sign up" link below the properties table.	-	The user is redirected to the registration page.

TC#19: Redirect to the login page from the yarn properties side panel		
Pre-condition		The user must be logged out.
Post-condition		The user is redirected to the login page.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state. - The properties side panel opens. - User will be shown a quick way to access the sign up and login pages
Click on the "Login" link below the properties table.	-	The user is redirected to the login page.

TC#20: View community comments as a logged in user

Pre-condition	The user must be logged in.
Post-condition	The user is able to view comments and the comment composer element.

Step	Data	Result
Navigate to the database page.	http://yarnder.com/database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state . • The properties side panel opens. • The side panel contains the comment composer element.
Click on the "Show more" button.	-	The next 10 comments are loaded in chronological descending order with scroll behavior.
Click on any image preview in a user comment.	-	The image opens in a new tab and appears in full size.

TC#21: Comment composer resizing functionality

Pre-condition	The user must be logged in.
Post-condition	The comment composer is expanded dynamically or manually by the user.

Step	Data	Result
Navigate to the database page.	http://yarnder.com/database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state • The properties side panel opens. • The side panel contains the comment composer element.

Click within the comment composer.	-	The placeholder text disappears and is replaced by a blinking text cursor.
Input text with at least 25 characters which exceeds the default comment composer height.	-	The comment composer expands dynamically to match the input height.
Click and hold the arrow on the bottom right of the composer and move vertically up and down.	-	The user is able to manually adjust the size of the comment composer element.

TC#22: Successful comment publication without images		
Pre-condition		The user must be logged in.
Post-condition		The user is able to publish a new comment without images.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com /database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state - The properties side panel opens. - The side panel contains the comment composer element.
Click within the comment composer.	-	The placeholder text disappears and is replaced by a blinking text cursor.
Input text with 25 characters.	Lorem ipsum dolor sit ame	-
Click on the "Publish" button.	-	- The new comment appears above the previous ones as the most recently published. - The comment composer is back to its empty state.

TC#23: Successful comment publication with images		
Pre-condition		The user must be logged in.
Post-condition		The user is able to publish a new comment with images.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state - The properties side panel opens. - The side panel contains the comment composer element.
Click within the comment composer.	-	The placeholder text disappears and is replaced by a blinking text cursor.
Input text with 25 characters.	Lorem ipsum dolor sit ame	-
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select an image in PNG format, resolution under or at 4500x4500 and size under or at 10mb.	file1.png	-
Click on the "Open" button in the file explorer window.	-	- The File upload explorer window closes. - The image preview appears below the comment composer element.
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select an image in JPG format, resolution under or at 4500x4500 and size under or at 10mb.	file1.jpg	-

Click on the "Open" button.	-	• The file upload explorer window closes. • The image preview appears below the comment composer element.
Click on the "Publish" button.	-	• The new comment appears above the previous ones as the most recently published. • The comment composer is back to its empty state.

TC#24: Comment character length validation	
Pre-condition	The user must be logged in.
Post-condition	The user is informed of the comment character length limit and is unable to publish a non conforming comment.

Step	Data	Result
Navigate to the database page.	http://yarnder.com/database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to selected state. • The properties side panel opens. • The side panel contains the comment composer element.
Click on the "Publish" button while the composer is empty.	-	An error message appears for the minimum character amount.
Input text with 24 characters.	Lorem ipsum dolor sit am	An error message appears for the minimum character amount.
Click on the "Publish" button.	-	• The error message is still displayed. • The comment is not published.
Input text with 25 characters.	Lorem ipsum dolor sit ame	The error message disappears.
Input text with 1001 characters.	-	An error message appears for the maximum character amount.

Click on the "Publish" button.	-	• The error message is still displayed. • The comment is not published.
Input text with 1000 characters.	-	The error message disappears.

TC#25: Total number of attachments allowed when publishing a comment		
Pre-condition		The user must be logged in.
Post-condition		The user is unable to upload more than 5 images.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	• The database page loads. • The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	• The selected yarn type button switches to the selected state. • The properties side panel opens. • The side panel contains the comment composer element.
Click within the comment composer.	-	The placeholder text disappears and is replaced by a blinking text cursor.
Input text with 25 characters.	Lorem ipsum dolor sit ame	-
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select **six images** in PNG or JPG format, a resolution under or at 4500x4500px and a size under or at 10mb.	file1.png file2.png file3.png file4.png file5.png file6.png	-
Click on the "Open" button in the file explorer window.	-	• The file upload pop up closes. • An error message appears for the maximum number of images allowed.

Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select **five images** in PNG or JPG format, a resolution under or at 4500x4500px and a size under or at 10mb.	file1.png file2.png file3.png file4.png file5.png	-
Click on the "Open" button in the file explorer window.	-	- The file upload pop up closes. - The five images' previews appear below the comment composer element. - The image upload placeholder is now disabled.
Click on the "Publish" button.	-	- The new comment appears above the previous ones as the most recently published with the uploaded images. - The comment composer is back to its empty state.

TC#26: Image attachments allowed formats when publishing a comment		
Pre-condition		The user must be logged in.
Post-condition		The user is informed of the image format upload criteria and is unable to upload a non conforming image.
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state. - The properties side panel opens. - The side panel contains the comment composer element.
Click within the comment	-	The placeholder text disappears and

composer text.		is replaced by a blinking text cursor.
Input text with 25 characters.	Lorem ipsum dolor sit ame	The error message disappears.
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select a **file format other than PNG or JPG**, a resolution under or at 4500x4500px and a size under or at 10mb.	-	-
Click on the "Open" button in the file upload explorer window.	-	- The file upload explorer window closes. - An error message is displayed for the unsupported format. - No image preview appears.

TC#27: Image attachments maximum allowed resolution when publishing a comment	
Pre-condition	The user must be logged in.
Post-condition	The user is informed of the image upload resolution criteria and is unable to upload a non-conforming image.

Step	Data	Result
Navigate to the database page.	http://yarnder.com/ database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state. - The properties side panel opens. - The side panel contains the comment composer element.
Click within the comment composer text.	-	The placeholder text disappears and is replaced by a blinking text cursor.

Input text with 25 characters.	Lorem ipsum dolor sit ame	-
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select an image in PNG or JPG format, with a **resolution over 4500x4500px** and a size under or at 10mb.	-	-
Click on the "Open" button in the explorer window.	-	- The file upload explorer window closes. - An error message is displayed for an unsupported resolution. - No image preview appears.
Click on the image upload placeholder.	-	A local file upload window explorer appears.
Select an image in PNG or JPG format, with a **resolution at exactly 4500x4500px** and a size under or at 10mb.	-	-
Click on the "Open" button in the explorer window.		- The file upload window explorer closes. - The image preview appears below the comment composer element.
Click on the "Publish" button.	-	- The new comment appears above the previous ones as the most recently published with the uploaded image. - The comment composer is back to its empty state.

TC#28: Image attachments maximum allowed size when publishing a comment			
Pre-condition	The user must be logged in.	
Post-condition	The user is informed of the image upload size criteria and is unable to upload a non conforming image.	
Step	**Data**	**Result**
Navigate to the database page.	http://yarnder.com/database	- The database page loads. - The yarn type buttons are in their default unselected state.
Click on any yarn type button.	-	- The selected yarn type button switches to the selected state. - The properties side panel opens. - The side panel contains the comment composer element.
Click within the comment composer text.	-	The placeholder text disappears and is replaced by a blinking text cursor.
Input text with 25 characters.	Lorem ipsum dolor sit ame	The error message disappears.
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select an image in PNG or JPG format, with a resolution under or at 4500x4500px and a **size over 10mb**.	-	-
Click on the "Open" button in the window explorer.	-	- The file upload explorer window closes. - An error message is displayed for an unsupported size. - No image preview appears.
Click on the image upload placeholder.	-	A local file upload explorer window appears.
Select an image in PNG or	-	-

JPG format, with a resolution under or at 4500x4500px and a **size at exactly 10mb**.		
Click on the "Open" button in the window explorer		- The file upload window explorer closes. - The image preview appears below the comment composer element.
Click on the "Publish" button.	-	- The new comment appears above the previous ones as the most recently published with the uploaded image. - The comment composer is back to its empty state.