Hypothetical / ToDoMVC Tests

Hypothetical Tests

Automate	Reason	Don’t Automate	Reason
An addition function handles adding a positive integer to a negative integer	Given the simplicity of the task, it’s easy to test a lot of different integer combinations.	The "happy path" through the product which the CTO plans to demo in an hour is working as expected	Time to write up an automated test would take too long and therefore would be quicker to manually verify the demo is working as expected.
A program returns the first 1000 digits of pi correctly	Since the answer is a constant with several digits that never changes, this is a prime candidate for automation.	A workaround for some functionality is effective, knowing it's to be rewritten and replaced with something proper in two weeks time	Given that the functionality is going to be rewritten, there would be no point implementing automation at this time.
A website renders appropriately in Safari, Chrome, Firefox, Edge, Vivaldi and Brave	Due to time restraints of manually testing. (Caveat - may need human verification for particular visual elements)	An old, deprecated (and soon to be removed) bit of functionality still works, when a newer method for that functionality already exists	Would be a waste of time since the old code is soon to be irrelevant.
A website's dark/light theme can be applied and changes the site	This is an easy check. Also, screenshots can be taken to store and checked by people later.		
The website's background colour is pure white (i.e. in hex `#FFFFFF`) not off-white/etc.	This is an easy check to automate.		

A website's colour contrast is appropriate for users with different types of colour blindness	This can be checked through simple automation but may need human visual confirmation.	A website's colour contrast is appropriate for users with different types of colour blindness	This can be checked through simple automation but may need human visual confirmation.
The system fails gracefully when put under extreme load, such as having an excessive number of users in parallel	To simulate multiple users, automation would be a very efficient way of carrying out the task.		
The Copyright symbol and version number are printed in the About dialog of each daily build of the product	This is a daily routine check which can easily be automated and checked with asserts.		
A mobile phone displays a helpful number of WiFi signal bars as the phone moves nearer to/further from the router	This check can be done by checking the strength with asserts.		
The system is still responsive under a normal/expected load of users using it at the same time	Load of users (possible mocking) could be injected to test responsiveness.		
		The accompanying manual pages for the newly added feature accurately describe how to use	Intricate reviewing of text needs human verification (since it is read by humans)

ToDoMVC Tests

Automate Now	Automate Later	Don't Automate	Reason	Test Type

Automate Now	Automate Later	Don’t Automate	Reason	Test Type
Can't add an item with an empty value			Simple Unit Test	Unit Test
Can add a value with a single character			Simple Unit Test	Unit Test
Check that every single accented character and symbol is supported			Simple Unit Test	Unit Test
	Check that every single emoji character is supported		Simple Unit test with a lower priority.	Unit Test
Double clicking an item enables editing of ToDo item.			Simple Unit test with essential functionality.	Unit Test
If you click Escape during edit, it should cancel the modification			Simple Unit test with essential functionality.	Unit Test
A ToDo item can be ticked-off (it will appear with a line through it)			Simple Unit test with essential functionality.	Unit Test
A completed ToDo item can be unticked again			Simple Unit test.	Unit Test
	A ToDo item can be reordered by dragging it up or down in the list		Once enhanced feature is introduced, look into automating.	Unit Test

Automate Now	Automate Later	Don’t Automate	Reason	Test Type
Delete an incomplete ToDo item			Simple Unit test	Unit Test
Delete a completed ToDo item			Simple Unit test	Unit Test
		Clicking the down arrow symbol next to the "What needs to be done?" box will toggle all items to Completed or Not Completed	Feature advised for alteration from arrow to checkbox.	Unit Test