# BCIT COMP 2930

# A Partial Testing Checklist for Web and Desktop Applications

# Include this document with your final code submission and make sure you indicate how you have tested your code!

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| Team number: 20 | Date: May 22/2019 |

## **MANDATORY BARE MINIMUM FOR ALL WEB APPS**

* Application crashes or unavailable pages should be redirected to an interesting error page.
* Check text on all pages for spelling and grammatical errors.
* Ensure your font size(s), style(s) and colour(s) for headlines, descriptions, labels, etc., info is consistent.
* Check all pages for broken images.
* Check all pages for broken links.
* Check email header and footer for app logo, privacy policy, attribution, etc.
* Check if app load time is within acceptable range.
* Every group member should use the app at the same time. Give it a workout!

## **MANDATORY BARE MINIMUM FOR ALL GOOD APPS**

* Are mandatory fields indicated by an asterisk (or something like that)? Are they validated?
* Are validation error messages easy to read and understand? Are they in a consistent position, colour, and style?
* Are general confirmation messages easy to understand and displayed using same colour and style?
* Are tool tips text helpful and meaningful?
* Do dropdown fields have first entry as blank or text like “Select”?
* If the user can delete things, should the delete functionality ask for confirmation?
* Select/Deselect All options should be provided if your app supports record add/delete/update functionality.
* Are amount values displayed with correct currency symbols?
* Does your app have a reset button to set default values for all fields in your form(s)?
* Are all numeric values formatted properly?
* Do input fields check for max/min field values? How do you ensure that input values greater than specified max limit, etc., are not accepted or stored in database?
* Remember to check all input fields for special characters.
* Remember that input field label names should be standard, i.e., field accepting user’s first name should be labeled ‘First Name’.
* Does your app timeout? When? Why? How can you avoid this?
* Check if downloadable files are pointing to correct file paths.
* Try to adhere to standard, simple conventions for naming resources, fields, etc.
* Validate markup for all web pages (validate HTML and CSS for syntax errors) to make sure it is compliant with the standards.
* Run your JavaScript through code quality tools like JSHint and JSLint.
* Test numeric input fields with non-numeric input values – does a proper validation message appear?
* Check for negative numbers if allowed for numeric fields.
* Check amount fields with decimal number values.
* Test all buttons available on all pages.
* Should a user be able to submit the same page twice by pressing the submit button twice?
* Do you need to worry about divide by zero errors?
* Are you trimming white space from user input?

## **GUI AND USABILITY TEST SCENARIOS**

* All fields on page, i.e., text boxes, radio options, dropdown lists, should be aligned properly.
* Numeric values should be right justified unless specified otherwise.
* Enough space should be provided between field labels, columns, rows, error messages, etc., so your app is easy to read.
* Should you disable the scroll bar?
* Disabled fields should be greyed out and user should not be able to set a focus on these fields.
* Users should not be able to type in drop down select lists.
* Does it make sense for information filled in by users to remain intact when there is an error message on page submit?
* If so, can the user submit the form again by correcting the errors?
* Check if proper field labels and values are used in error messages.
* Dropdown field values should be displayed in some meaningful sort order.
* Default radio button options should be pre-selected on page load.
* Does your app need field-specific and/or page-level help messages?
* Ensure appropriate fields are highlighted in case of errors.
* Ensure dropdown list options are legible and are not truncated due to any field size limits.
* Confirmation messages should be displayed before performing any update or delete operation.
* Do you have or need an hour glass or other app busy icon?
* Is page text left (or consistently) justified?

## **TEST SCENARIOS FOR DEALING WITH EMAILS AND EMAIL ADDRESSES**

* Email addresses should be validated.
* Special characters in email body template should be handled properly.
* Do you need to worry about language-specific characters, i.e., Russian, Chinese or German language characters?
* If your app sends email, the email subject should not be blank.
* If your app sends email, the placeholder fields used in your email template should be replaced with actual values, i.e., first name and last name.
* Email sender name should not be blank (it should be your app, of course!).
* If your app sends email check your email in different email clients like Outlook, Gmail, Hotmail (so 90s), BCIT, etc.
* Check send email functionality to single, multiple or distribution list recipients.
* Check if reply to email address is correct.

## **PERFORMANCE TESTING TEST SCENARIOS**

* Check if app load time is manageable with slow connections.
* Check the responses time for any action under light, normal, and heavy load conditions.
* Check performance of database stored procedures and triggers – is it sufficiently fast?
* Check database query execution time (especially with multiple users testing at once!).

## **ANYTHING ELSE?**

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