# 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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## **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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