# BTH545 Assignment 1

## Learning Outcomes

* Practice is basic research and communication,
* Exploring diverse areas of GUI design in greater detail,
* Collaborating with group members,
* Presenting your finding in written and oral form.

## Description

You will form groups of 6 or 7 students and research one of the topics below. You will need to write a report on your topic that is a minimum or 1,500 words in length and presents a good overview of the topic. You should explore the main parts of the topic but do not have to delve into great depth on individual parts. You should write and present as if your audience is new to the area and is just being presented with an overview that gives a basic understanding of the key topics. Each group should select one of the topics below so that no two groups in the class do the same topic.

The written report should be well laid out and address all the main topics in an organized fashion. Each section should indicate the author of that section and all members of the group are expected to write at least one section of the report. The report must contain a list of all members of the group.

The Seneca library has books on all of the topics listed below. In addition, you can get books off Safari and SkillSoft which are online book repositories at the library. Finally, the internet has a wealth of resources you can explore on the topics. Some topics might lend themselves to examples from the internet or applications, videos off You Tube or other sources. You can include images in your report and references to videos if you deem them to be sufficiently important.

Towards the end of the course, students will be expected to do a short presentation of about 15 minutes on their topic so that the entire class can benefit from your research into the topic.

## Topics

1. Usability Testing
2. Agile User-centered Design
3. Voice User Interfaces
4. User Experience Design
5. Cognitive Aspects of UI Design
6. Emotional Design
7. Data Visualization
8. Internationalization and Accessibility

## Submission

You should submit your written report as Word or PDF to Blackboard. You will be marked on:

* How well you have researched your topic and explored the area to an appropriate depth,
* How well your document is structured and written.

The presentation will occur later and will be done live in a class.