# COMP 3012

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Description automatically generated with medium confidence

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| Take-home Assignment | 2 |

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## Exercise Objective:

The purpose of this assignment is to practice the concepts and skills which are covered till Week 6.

You need to submit a Word/PDF for Task 1 & 3, along with a zip file for Task 2.

Task 1: Answer questions:

1. What is Express.js? What is it for?

Express js is a web application framework for node js. Used for : managing easily URL for pages to callbacks, file uploads middleware from connect.

1. What is socket.io? What is it for?

Socket io is built as upgrade for Websocket API or can be said also instead of upgrade it s a extension for it which can be used in Node js. It has two sides client & server side it mostly used for client/server communication and different events on page.

1. What is TypeScript? What is it for?

TypeScript is version of javascript which is a very strict syntactical Javascript and it mostly used for developing big applications and after it compiled it creates the file version in javascript that can be used in the server.

Task 2: Make an Express.js project

Requirements:

1. Listen to port 8081
2. Response a home page (for example, index.html on <http://localhost:8081> ) showing:
   1. A link to Introduction page (<http://localhost:8081>/intro)
   2. A link to About page (<http://localhost:8081/about>)
   3. A link to List page(<http://localhost:8081/list>)
3. Introduction page to show:

A short description of COMP 3012 along with one reason you take this course

1. About page to show:
   1. Your name
   2. Your student number
   3. A HTML link to go back to home page
2. List page to show:

A table showing at least four COMP course info with links to their BCIT pages

Task 3: Explain what ES6 features you used in this application, along with your code snippets