## Technical Assessment

Following our initial interview, we feel that you may be a suitable candidate for the role we are looking to fill. Before we conduct a technical interview we would like to assess your technical skills and how you approach solving problems.

The following scenario can be solved in any manner you see fit. There are no restrictions on methodology, use of external resources or format of your solution submission.

1. Create a simple form, for inputting student information together with their course dates. Each student can have one or multiple courses.

The page should capture the following information:

* Student Full Name
* Student Email Address
* Course Start Date
* Course End Date

**Note:** Each course should start on a Monday and end on a Friday. Courses for one given student may be consecutive, however they cannot be overlapping.

The front-end should be kept very basic. The focus here is on functionality rather than aesthetics or user experience. Implementation of server side validations and storing data in memory is sufficient.

1. At any point in time, before or during his course, a student may opt to book a holiday break. A holiday always starts on a Monday and ends on a Friday. The holiday weeks taken are then automatically added on to the end of the course, so that the total number of tuition weeks are not affected. Outline the logic for booking a holiday and automatically extending the course dates in pseudocode, focusing on the algorithm rather than actual code implementation.