

## **Advanced Procedural Programming Project 2022**

### **Marking Scheme**

<b>Element</b>	<b>Mark</b>	<b>Description</b>
Good Programming Practice & Comments	10%	This element covers the commenting of the application's code and the use of function and modular design to support the application's main features.
Company Structure	10%	This element involves the creating of structure for the node which will be used make up the Company linked list.
Reading Previous Company from the backup file	10%	This element of the application involves the reloading of previously saved companies when the application is started.
Password Protection for the Application	10%	As per the element description, this feature will restrict access to the application's main features until the log in isn't authenticated. This section is broken down as follows: <ul style="list-style-type: none"><li>• 5% - Password Check</li><li>• 5% - Ensure that when the user enters in the password that it cannot be seen on the screen</li></ul>
Add Companies including the following checks:	20%	This element of the application involves the addition of new company to the linked list. This section is broken down as follows: <ul style="list-style-type: none"><li>• 10% - Add new Company Node</li><li>• 5% - Unique Company Registration Number</li><li>• 5% - Email check</li></ul>
Delete Company	5%	This element of the application involves the deletion of a specific company.
Update Company	5%	This element of the application involves the updating of a specific company.
Display All Company	5%	This element of the application involves the displaying of all companies in the list.
Display individual Company	5%	This element of the application involves the displaying of a specific company in the list.
Saving List of Companies to File on exiting the application	5%	This element of the application involves the saving of the companies database into a file on the exit from the application.
Generate Statistics based on the application's specification.	5%	This element of the application involves the generation of statistics as per the application's specification.
Display the list of companies in order of the Annual Order.	5%	This element of the application involves the displaying of all companies details in order of the year born.
Generate Report File as per the application's specification.	5%	This element of the application involves the generation of a report file as per the applications specification.

**Each of the elements above will be scored using the following criteria:**

- 0–39% Fail: Not delivering on basic expectations
- 40-59% Average: Meets basic expectations
- 60–79% Good: Exceeds expectations.
- 80-90% Excellent: Demonstrates independent learning.
- 90-100% Exemplary: Good enough to be released for playing to the general public