Short document (much under 2,000 words) detailing the

**GEOG5990 Assessment 2 - White Star Line project analysis**

This Assessment 2 project was created to provide an application for shipping company White Star Line to identify icebergs from radar and lidar images. This application was required as the company wished to send out iceberg-towing tug boats with each ship in order than potentially harmful icebergs could either be tugged out of the ship’s path, or the route altered as necessary. The application therefore needed to read in two files containing information on the texture of objects (radar file) and how high identified objects are (lidar file).

Before creating this application, a flow chart was created, detailing the steps that would be

* Intention of the software
* Issues during development
* How issues were overcome
* general sources used
* thought processes going into the software design
* software development process followed
* errors, improvements, things of note for future?

Colour scale is 3 so works when there are both towable and un-towable bergs as well as ocean. But not if there is ocean and only one iceberg type.

This code was created with the intention that it could read .lidar and .radar files with unknown numbers of icebergs and still compute the output figure (bergtowability) and iceberg metadata. The code assumes however that an iceberg will only ever be uniformly square in shape.