Software Design and Implementation Seminar A

This exercise creates a function which reads a text file & returns its contents in a vector; its prototype is

```
sdi::vector<std::string> SDI::readTextFile(const std:;string);
```

The initial specification is to read a text file – the name of the file is the parameter, which can include a path.

The return value will be a vector of strings with these rules for the file

- Empty files (zero length) return an empty vector
- Not-found files return an empty vector
- Text files return one line per vector element, in file order (one line is defined by whatever is returned by getline

```
void istream::rgetline(istream &, std::string);
```

Other requirements to respect

- declare & define the function it in the namespace SDI
- add debug code to provide a commentary when it is switched on – which functions are called, what parameters they are passed, return values,
- debug code should be conditionally compiled (guarded by _DEBUG which VS sets automatically for debug mode
- no console Input in the function (keep it in main() only for the moment)
- send debug output to std::clog
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