**Advanced Databases**

**MongoDB CA**

**Student Number:** <<insert your student number here>>

**Student Name:** << insert your name here>>

**Programme Code:** <<TU856/TU857/TU858 delete as appropriate>>

1. Setting up the cluster and replication

<<describe your cluster, now many nodes etc.>>

<<use rs.status to verify that the cluster and replication is working, include a screenshot, comment on the information provided>>

1. Porting the data to Mongo

<<verify that the data exists>>

<<use db.collection.find >>

1. Working with the Golf collection in MongoDB:
   1. Basic query on golf data involving a text field.

<<use explain, capture the output and include it here, comment on what is happening>>

* 1. Adding a secondary index to golf data on a text field.

<<use explain, capture the output and include it here, comment on what is happening>>

1. Working with aggregation in MongoDB:
   1. Create an aggregation pipeline

<<use explain, capture the output and include it here, comment on what is happening>>

* 1. Add relevant indexes and reorder your stages.

<<use explain, capture the output and include it here, comment on what is happening>>

1. Replication working

<<pause/stop your primary node>>

<<use rs.status to show that another node has been elected >>