# Objective

This exercise is designed to assist GBST understand your approach to development and your ability to communicate both written and verbally. You will be given 30 minutes to produce a written response to the scenario below and your answers will be discussed with you at the interview. We would like you to put forward a proposal on what you would do to solve the problem and potential solutions. We are looking for you to include but not limit yourself to.

* A series of questions that you would like to ask to determine your solution
* A potential approach to the solution including
  + Consideration of performance and scalability
  + Potential deployment options
  + Security considerations

# Scenario

The “ABC bank” provides various types of bank accounts to both Business and individuals. The site provides access to client account balances, transaction histories and the ability to transact (transfer, pay anyone etc). The bank currently has in excess of 200,000 active clients with concurrent users over 300 during peak times.

There is currently no reporting capability with the site. We would like introduce reporting for the users. The reporting must have following capabilities.

* The ability to download for importing into personal or business financial management software
* Present the reports on the web in both tabular and graphical formats.
* The type of reports considered are
  + Lists of account balances
  + Transaction lists
  + Growth/loss graphs
* The solution must consider the client base and usage pattern and not impact the performance of the current website.