**Numbers Game Web API**

The API will support:

Generation of a standard (6-number) games, where the client specifies the number of large numbers to use, and receives a game and a target.

Provision of a solution for a given game, where the client specifies the game parameters (initial values and target), and the API returns a solution, if one exists.

Provision of all solutions for a given game.

Verification that a client-supplied solution does indeed solve a given game.

A “live” competition, where multiple clients attempt to solve the same game instance, and are awarded points on the basis of their submitted solutions. This will require a database backend to record the games, the users and the scores. **Robin to dictate how he wants the live competition to work, as product owner.**