Uitwerking Pareltoets 111 (RE), 22-10-2015

1. "MoSCoW" is an acronym for Must, Should, Could, Won't.
   It is used to indicate priorities of requirements.

2. (a) is a quality requirement. It describes a quality property of the system as a whole, not one particular function (generating a new webpage may involve various transactions with other parts of the system, such as the database).
   (b) is a functional requirement. It describes a concrete piece of functionality, which can be translated to a user story.
   (c) is a constraint. It says nothing about the system itself, but states a boundary condition about system delivery..

3. Similarity: in both approaches an initial core system is extended piece by piece, in iterations with a limited time span.
   Differences (mentioning one of these is enough):
   (i) Agile demands that every increment a complete, working system is delivered. This is not needed in iterative/incremental development.
   (ii) The reason for doing interative/incremental development is that the risks and possibly scope can be managed better than in a monolithic project, not (as in agile) that the requirements are unclear and/or the priorities are to be adapted during the project. The overall development method is still top-down: first requiements, then design, etc.

4. *Motivation*: The existing system cannot keep up with the growing demand, therefore a new system is needed.
   Goal of the system: The new system should support the current functionality in a more scalable way, allowing Hello.nl to expand.
   Exclusions: No new functionality is to be added until the system has been successfully deployed.

5. (a) In the text the following stakeholders are mentioned:
   Directors of Hello.nl – Purchaser
   Bugless Software Ltd. – Developer
   Visitor, Prepaid member, Full member – Normal Operator

   (b) The most important other roles are in the inner ring:
   Maintenance operator – could be done by Bugless Software
   Operational Support – Hello.nl probably has a help desk which members can call in case of technical problems.

6. As a prepaid member I want to buy credits
   As a prepaid member I want to send a message to another member
   – test with credit count 0 (fail)
   – test with credit count ≥ 1 (succeed)
   As a prepaid member I want to read a message
   As a prepaid member I want to delete a message
   As a prepaid member I want to start a chat [will have similar tests]
   As a prepaid member I want to accept/decline a chat invitation
   As a prepaid member I want to become a full member
   As a prepaid member I want to deactivate my membership (and have my data deleted).