**3. For each of the 12 assignment reports you have at hand, analyze the proposed architectural solution with respect to:**

**a. Risks**

There is a risk that there will be nothing available to be bought in the webshop because there is no database that stores products.

**b. Non-risks**

Security should not be too much of a problem since the system is client-server.

**c. Sensitivity points**

Login component is very important.

**d. Tradeoff points**

Performance has been traded in favour of security by having the system running on one server.

**4. Review each of the 12 proposed solutions with respect to the following abstract design principles:**

**a. Information hiding**

Pretty bad, there are no interfaces between layers.

**b. Minimize coupling**

There is no coupling at all.

**c. Coherence**

Bad. Components like ‘add item’ and ‘remove item’ should be in the same component.

**d. Divide and conquer**

Taken too far. As mentioned above some components should be merged.

**e. Separation of concerns**

Good.

**f. Keep it simple**

Not really simple, the component diagram is a mess.

**g. No circular dependencies**

Good.

**h. Layering**

The layering is good, every subsystem is in the correct layer.

**i. Modularity**

All components seems to be dependant on ‘Central unit’. This makes for bad modularity.

**5. Give an overall grade for each architectural solution at the scale of 1 (poor) to 10 (excellent). Justify your score in terms of your answers to the previous questions**.

* As mentioned before a lot of components could be merged.
* There is no database for storing products, though there is one for staff payment data so at least the employees will get paid.
* It seems the use case-diagram is missing.
* No mention of the 3rd party bank interface in the layer diagram.
* Major inconsistencies between diagrams. Example: In the sequence diagram (only one, should’ve been 3?) there is a “Payment” component which is not mentioned anywhere else.

Final score is 2/10.