HW 6
ex 4.5, 4.6, 4.7

4.5) User Requirements for:

Petrol Station – The automated petrol station shall dispense the amount of fuel purchased by the customer via the credit card scanner.

Cash ATM - The ATM shall dispense the correct amount of cash that the customer requires, while removing that amount from their account

Spellcheck – The program shall compare all of the words in a user-generated document with all of the words found in the computer's dictionary database, offering correction suggestions where necessary.

4.6) Since Functional requirements often generate additional Non-functional requirements, it would be a good idea to group things in a hierarchy, with functional requirements being the higher nodes, since they are spawning non-functional requirements.

4.7) Use Cases:
- A customer enters their card, PIN number, and account number. They specify an amount to withdraw from their account, which is then subtracted from their account, and the same amount of money is dispensed from the machine (barring any fees)
- A customer attempts to withdraw more money from their account than they possess, and is alerted of the problem, and a help-line number id displayed. No money is dispensed.
- A customer logs into the ATM with the incorrect PIN number, is given 3 chances to retry, and is then locked out of that ATM.