**Check amount of water left in Coffee Machine**

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| **Project description**  If User wants to buy a cup of coffee he needs to know is there is enough water left in the boiler for his drink so he’s not going to waste his money.  Problem can be solver by adding checking amount of water in Coffee Machine. | **Project objective and approach**  To solve this problem we need to add a functionality “CheckWater” which will consists of:   * adding variables “current\_water\_amount”, “max\_water\_amount”(constant), “min\_water\_amount”(constant); * checking if “current\_water\_amount” is not less than 80% of “max\_water\_amount” than show “The boiler is full” * checking if “current\_water\_amount” is less than 80% of “max\_water\_amount” and more than 130% of “min\_water\_amount” than show “Medium level of water in boiler” * checking if “current\_water\_amount” is less than 130% of “min\_water\_amount” and more than 110% “min\_water\_amount” than show “Low level of water in boiler” * checking if “current\_water\_amount” is less than “min\_water\_amount” than show “Not enough water in boiler” * each time when User is buying a coffee the amount of water is getting lower * when there is not enough water in boiler Admin fills it |
| **Schedule**   * Create Use Case diagram – due 24-01-2018 * Create interface, create unit tests – due 25-01-2018 * Implement functionality – due 26-01-2018 * Testing, fixing bugs, production – 30-01-2018 | **Requirements**  This implementation will help to save peoples money so there will be no situation like a cup with no water and just dry coffee and sugar in it. |