# Release notes for Bill Change REST service

Here are the requirements that are covered

* Bill change works for the given amount. Test URL is given below-<http://localhost:8090/billChange?billAmount=20>
  + User can enter bills from this list - 1, 2, 5, 10, 20, 50, 100. Also, he can enter any other number assuming he is asking for change of multiple bills under same input. For example – 6 or 25 etc.
  + I have added validations but message wordings could have been better. Also, I could have provided better details in case of validation fails.
  + Response map could have been sorted, so it could show first quarter coins, then 10 cents, then 5 cents etc.
  + I should have used ENUMs for the constant texts.
* Bonus1 “Allow for number of coins to be configurable and easily changed” works. Test URL is given below-

<http://localhost:8090/adminChangeTotalCoins?quarter=200&tencents=100&fivecents=100&onecents=100>

* + I could not add enough validations for this functionality due to time crunch.
* Bonus2 “Allow for the user to request for the most amount of coins to make change” – It does not work. I attempted to implement the logic but could not progress well due to time crunch. You will see some of the methods commented because of this. Logic should flow in opposite direction of the main requirement. So, I should start with 0.01 cents and then move up to quarter in case of most coins needed.
* I have added .class files by mistake to Git as I uploaded the whole folder from workspace.
* I have added sysouts in code. I should have used log file instead but couldn’t do it due to time crunch.