

## Recapped of Discussion on 16 Feb 2019

### Persons involved:

Sun Hang

Jin Xing

Dong Bin

Alex and Li Xin not in town

### Points

- We briefly discussed on the 3 case study for our group project work.
- Agreed to probably choose the DoReMe business case to work on our project. This will be confirmed by Wed or Thurs.
- We probably will use NRules rules engine (<https://github.com/NRules/NRules>) for the project. The solution will be developed using .Net visual studio 2017. The final product will be an MVC web project and some Web API services for the system. We agreed to do a simple POC first to see if we can achieve this. On a back up plan, Dong Bin will look into KIE to implement the solution. Maybe Li Xin and Alex may partner Dong Bin on this. This will be confirmed once we get a simple working POC out.
- We have only about 12 days to work on the project. So the POC will need to be out by latest end of Sunday , 24 Feb.
- Chad will send a sample MVC project and Web API templates to both Jin Xin and Sun Hang. Chad will coordinate with Jin Xin and Sun Hang on the POC. The 3 of us will take care of the technical part of this POC.  
We will also brief all clearly on this POC once it is workable and make sure you all learnt from it. Source codes will be provided on the private git hub repository. Chad have added all as collaborators accept those not present today.
- Since Chad, Jin Xin and Sun Hang are taking care of the very technical part, we would like Alex, Dong Bin and Li Xin to focus on the knowledge acquisition and the documentation part to start off with. Of course, we will all sit down together to review the technical solutions and documentations together. Please do take note that for documentation like flow charts and activity diagrams, Chad, Jin Xin and Sun Hang are well versed with these and can provide some guidance if any of you needs a hand. For one thing, I (Chad) am good with user manual/guide writing. I can provide a sample in PowerPoint or word format.
- We also discussed that fact (Jin Xin raised this) that the coming exams takes on 50% of the full score for this module and that we should also put in some time to discuss the strategy to try to score well for the examination paper. We agreed to meet up tomorrow at 2pm at NUS Kent Ridge MRT to discuss on this.

### Action Points:

1. Chad to provide VS project templates to Jin Xin and Sun Hang by Monday, 18 Feb.
2. Chad to prepare simple instructions on how to make a copy of the project template for individual project on GitHub and how to use Tortoise SVN. (For those who do not know how)
3. Chad to send out the Mastering JBOSS Drools 6 PDF to all by Monday, 18 Feb.
4. Alex and Li Xin to set up a GitHub account and send me your Nick Name for your account so that Chad can add you in as collaborators – by Tuesday, 19 Feb.
5. All to complete the mortgage loan workshop in workshop exercise 2.1 and also read up 2.2. **We need to be very familiarised with KIE.**
6. All to read up all information on DoReMe case study and provide your comments on whether you agree we can go with this project business case by Tuesday, 19 Feb.
7. Chad to project simple project progress outline to keep us on track.

### Side point:

Please note that NRules was recommended by Sam to me. He did encourage us to use it even if while doing so we did not get all concepts implemented. I do not think we will omit anything major as the case study is pretty straight forward. Sam told us that he expects our group project to be of business value. Eg. Can it be sold? He is more interested to see something unique and usable in the real world. With that note, I think we should all give it a shot and do something different and useful for anyone who might need it. But, Let's also keep the short time line in mind.

### Other Points:

Sam mentioned that next week's exams will be easy if we follow all the lecture notes but since it is open book testing, the question will be open ended. Be prepared to be tested on concepts and also writing out rules. Remember to make sure you understand the terminologies and symbols (Eg. 1<sup>st</sup> order logic, universal, existential quantifiers, predicate, maybe some set theory symbols, etc. ) used in our course materials and make sure we know how to use them.

Be 100% clear about the whole concept of Knowledge inference and Rules engine. (See diagram below) also, learn all the methods for knowledge acquisition.

