

Sprint Backlog, Iteration # 7

The reason why our backlog is not finished yet is because we are receiving the features that we have to implement on Monday. We have already experienced several times that we have created a sprint backlog for the coming week and that it had to be changed straight after in the beginning of the week. So we have decided that we would wait with adding features to the sprint backlog until we have the approval of Stefan. Otherwise, we are creating the sprint backlog for nothing again. We tried to contact Martijn several times on the friday in order to tell you about our decision and ask if he could grade our sprint backlog Monday instead of this weekend. We will update this and the github boards , issues on monday before 15.00. Hopefully this will not be a problem to you.

Update

We have updated the Sprint Backlog for Iteration #7. We have already done some of these tasks such we do not have to squeeze the 28h work in 3 days. Note that almost every task is a must have since these are refactoring tasks. These task have to be implemented before considering (the minimalistic) product as done. This is a very high priority.

User Story	Issue #	Task	Member responsible for the task	Task Assigned To	Estimated Effort per Task (in hours)	Priority: Must/ Should/ Could/ Won't have
As a developer, I want my program to have a clear structure. Reviewing the UML <u>together</u> and edit if needed	190	Reviewing the "Objects Package" section	All	All	1 / person	must
	190	Reviewing the "Controllers" Package section	All	All	1 / person	must

before fully implementing it.	190	Reviewing the “Database Package” section	All	All	1 / person	must
As a developer, I want to have a library interface (API), which hides implementations.	170	Implementation	Ashay	Ashay	4	must
	170	Testing	Ashay	Ashay	4	must
	170	Documentation	Ashay	Ashay	2	must
As a developer, I want the huge BlockController to be split into multiple classes, along with updating outdated methods which still uses code.	140	Implementation of BlockController	Ashay	Ashay	3	must
	140	Implementation of TrustValueController	Ashay/ Jasper	Ashay/ Jasper	4	must
	140	Implementation of BlockVerificationController	Ashay	Ashay	2	must
	140	Testing of BlockController	Ashay	Ashay	2	must
	140	Testing of TrustValueController	Ashay	Ashay	1	must
	140	Testing of BlockVerificationController	Ashay	Ashay	1	must
	140	Documentation	Ashay	Ashay	1	must
As a developer, I want to have a structured blockchain	169	Implementation + Testing + documentation of Acquaintance.java	Luat	Luat	1	must

implementation for the application according to the UML	172	Implementation + Testing + documentation of User.java	Luat	Luat	3	must
	163	Implementation + Testing + documentation of BlockData.java	Naqib	Luat & Naqib	4	must
	166	Implementation + Testing + documentation of BlockType.java	Naqib	Naqib	1	must
	174	Implementation + Testing + documentation of Chain.java	Luat	Luat	4	must
	167	Implementation + Testing + documentation of Hash.java	Naqib	Naqib & Luat	2	must
	168	Implementation + Testing + documentation of Block.java	Naqib	Naqib & Luat	4	must
As a developer, I want to spread responsibility in the Queries by creating more query subclasses because I do not want to have a God class. (Refactoring the "Database" section)	183	Implementation of UserExist query	Ymte	Ymte	1	must
	183	Testing the UserExist query	Ymte	Ymte	1	must
	184	Implementation of BlockAt query	Ymte	Ymte	1	must
	184	Testing of BlockAt query	Ymte	Ymte	1	must
	185	Implementation of ChainSize query	Ymte	Ymte	1	must
	185	Testing of the ChainSize query	Ymte	Ymte	1	must

	186	Implementation of the getChain query	Ymte	Ymte	1	must
	186	Testing of the getChain query	Ymte	Ymte	1	must
	187	Implementation of the getUser query	Ymte	Ymte	1	must
	187	Testing of the getUser query	Ymte	Ymte	1	must
	187	Documentation	Ymte	Ymte	1	must
As a developer, I want to clean the project folder of unnecessary folders and files.	158	Cleaning the project	Jasper	Jasper	1	Should
As a developer, I want to find a solution for the failing jobs on Travis due to a timeout.	159	Reading	Jasper	Jasper	2	Should
	159	Implementation	Jasper	Jasper	1	Should
As a developer, I want to use the Android KeyStore to save the public and private keys.	160	Testing	Jasper	Jasper	2	Must
	160	Implementation	Jasper	Jasper	2	Must
	160	Documentation	Jasper	Jasper	1	Must
As a developer, I want to use the	161	Testing	Jasper	Jasper	2	Must

Android KeyStore to read the public and private keys.	161	Implementation	Jasper	Jasper	2	Must
	161	Documentation	Jasper	Jasper	1	Must
As a developer, I want to sign the transaction upon sending it to another user.	165	Testing	Jasper	Jasper	1.5	Should
	165	Implementation	Jasper	Jasper	2	Should
	165	Documentation	Jasper	Jasper	0.5	Should
As a developer, I want to verify a block upon receiving the transaction from someone else.	164	Testing	Jasper	Jasper	1.5	Should
	164	Implementation	Jasper	Jasper	2	Should
	164	Documentation	Jasper	Jasper	0.5	Should
As a developer, I want to create a method which represents sending a	165	Testing	Jasper	Jasper	2	Must
	165	Implementation	Jasper	Jasper	3	Must

block to another user.	165	Documentation	Jasper	Jasper	1	Must
As a developer, I want to have a database class on which I can perform my custom queries.	188	Implementation	Ymte	Ymte	3	Must
	188	Testing	Ymte	Ymte	3	Must
	189	Integration	Ymte	Ymte	4	Must
As a developer, I want to integrate the refactored Database Package with the Blockchain Component Package.	177	Implementation	Luat	Luat & Ymte	4	must
	177	Adjusting the tests	Luat	Luat & Ymte	3	must
	177	Documentation	Luat	Luat & Ymte	2	must
As a developer, I want to integrate the refactored Database Package with the Controller/Handlers Package.	173	Implementation	Ashay	Ashay	2	must
	173	Adjusting the tests	Ashay	Ashay	1	must
	173	Documentation	Ashay	Ashay	1	must
As a developer, I want to integrate the refactored Blockchain Components	175	implementation	Ashay	Luat & Ashay	4	must
	175	Adjusting the tests	Ashay	Luat & Ashay	1	must

Package with the Controller/Handlers Package.	175	Documentation	Ashay	Luat & Ashay	1	must
As a developer, I want to do the assignment about Project skills (due Friday		Doing the assignment	All	All	2 / person	must
As a developer, I want to refactor the activities in such a way that it only uses the API.	170	Refactoring MainPageActivity	Naqib	Naqib	1	must
	170	Adjust tests in the MainActivity	Naqib	Naqib	1	must
	176	Refactoring ContactPageActivity	Naqib	Naqib	1	must
	176	Testing the refactored ContactsPageActivity	Naqib	Naqib	1	must
	178	Refactoring FriendsPageActivity	Naqib	Naqib	1	must
	178	Testing the refactored FriendsPageActivity	Naqib	Naqib	1	must
	179	Refactoring the PairPageActivity	Naqib	Naqib	1	must
	179	Testing the refactored PairPageActivity	Naqib	Naqib	1	must

	180	Refactoring the TransactionPageActivity	Naqib	Naqib	1	must
	180	Testing the refactored TransactionPageActivity	Naqib	Naqib	1	must
	182	Refactoring DisplayContactFriendsPageActivity	Naqib	Naqib	1	must
	182	Testing the refactored DisplayContactFriendsPageActivity	Naqib	Naqib	1	must
As a developer I want to study the TU Delft TrustChain documentation as Johan Pouwelse has implied.	181	Reading: TrustChain: A sybil-resistant Scalable Blockchain	Naqib	Luat & Naqib	4 / person	Should
	181	Analysing: How we can implement this in our application (might be documented)	Luat	Luat & Naqib	4 / person	Should