Analysis of the previous iteration

During this week, Linda worked as project manager.

Jimmy updated the technical documentation for the server and client. He also added preliminary software architecture diagrams to the documentation. Jimmy also worked on the POC for the video chat (https://redrivervideocallpoc.azurewebsites.net/) and got video conversations working. Sofia tested the video chat POC on different browsers and operating systems.

Sofia continued researching Signal Protocol Library for JavaScript and discussed with Andrew on Slack about his previous code.

As a group we discussed the requirements in Slack, and the risks involved in working on such a large amount of requirements.

Jimmy suggested we use Material-UI, the group agreed.

Sofia worked on setting up the prototypes in Draw.io. She added templates for iPhone, iPad and Android to allow the client to see the system in different resolutions and devices.

We had a meeting with our tutor Tobias who advised us to scale down the requirements in consultation with the client, and to find the minimum viable product. Tobias also singled out the requirements that would bring up the most problems, such as quality requirements and protection against viruses. He advised us to work less on the big picture and start working on the individual requirements.

We had a client meeting with RedRiver on Tuesday, where we discussed how to solve getting an Azure subscription for the group to work in. RedRiver agreed to set up an Azure account for us and to send the link to Andrew. Linda brought up that the requirements needed to be scaled down and asked what functions were most important to RedRiver. RedRiver said that it was ok to down prioritize the encryption, and the most important aspects were text and video chat. The inspiration should be Google Hangouts. We should also down prioritize database backups.

Sofia worked on the product backlog and rearranged the requirements, finding the most basic functional ones and listing them in a good order of implementation.

Linda set up a google document for the peer review and sent the link to the group. The group members then added their own individual reflections regarding group Meridium's Inception material. When all reflections had been added, Linda

compiled the individual reflections to a peer review protocol. Sofia edited the protocol and we discussed the finished protocol on Slack. Linda then sent the protocol to group Meridium.

The group discussed what the most important requirements were. Sofia wrote test cases for req. F1, F2, F3 and F4.
Jimmy invited RedRiver to our repository and Wiki. Andrew went through the requirements. Linda updated the dependencies in product backlog.

As a group we discussed adding notes on the Project page of the repository, to keep track of work that needed to be done in the project.

Andrew wrote documentation on the RedRiver Server API that he designed, wrote tests for it, and kept working on the API and database to fulfill req. F1 to F4. He also compiled the customer deliverable for the week, adding the links to our POC:s, the repository and product backlog. Along with this he wrote a document to explain and describe the delivery.

Linda worked on the prototypes in Draw.io, updating them and adding new wireframes for requirement F2. She then exported the prototypes as a clickable HTML document, which Andrew added to the deliverable. He then sent the deliverable to RedRiver.

RedRiver emailed Andrew on Friday, saying that they thought the deliverable looked great and that we were on the right track. They asked us to investigate setting up an Azure account ourselves, or a virtual machine. Andrew set up the client, server and database on his own Azure account, with the intent to run continuous delivery from our GitHub repository. Jimmy added deployment to Azure, so that everything that is added to the master branch also gets added to Azure. This way we always have a live version with the latest updates for us to see, and to show the customer.

Jimmy kept working on the client code for F1 and F2. He started implementing register and log in functionality for the client, and set up Material–UI.

During the weekend, Sofia worked on the presentation of the inception phase, setting up Google slides and timing the presentation.

Sofia received the peer review from group Futurum on our Inception material and the entire group read it during the weekend.

To summarize, we got a lot of work done during this iteration. We removed the biggest risk in the project, which was having an oversized amount of requirements.

Time report iteration 4

Name	Sum iteration	Time total in project
Andrew	21	85
Jimmy	26	95
Linda	22.5	90
Sofia	26.75	100.75

Detailed time report iteration 4

Requirement	Task	Status	Estimate	Actual	Responsible
Tutor meeting	Present the work done during iteration 3	Done	4	2.5	Group
Group meeting	Discuss work done, the new iteration plan and distribute tasks	Done	4	2.75	Group
Customer meeting	Discuss project	Done	4	1.5	Group
Slack communication	Discuss project	Done	6	7.5	Group
Time report	Create summarized time report for iteration 3	Done	3	3	Linda
Time report	Write time report for iteration 4	Done	3	3.25	Group
Peer Review	Peer Review Presentation (hold presentation/attend)	Done	4	3.5	Group
F1–F4	Fix bugs and update login flows	Done	6	8	Andrew
F1–F4 API Tests	Write postman tests and docs for api	Done	5	5	Andrew
F5	Research into F5, SignalR wiki docs	Done	3	3	Andrew
Azure fixes	Adjust delivery flow to cope with database changes	Done	0	1	Andrew
Time report	Write for iteration 5	Done	1	0.5	Andrew
Technical documentation	Update	Done	1.5	1.5	Jimmy
Risk list	Update with technical risks	Done	1	0.75	Jimmy
Azure setup	Setup Azure automatic deployment from repo.	Done	2	2	Jimmy
Azure setup	Trying to fix issues with database on Azure.	Done	1	2	Jimmy
F1 User					

Register	Add API-requests.	Done	2	4.25	Jimmy
F2 User login	Add API-requests.	Done	2	2	Jimmy
F3 User own data access	Client: User can get information about themselves	Done	3	5	Jimmy
F4 Add friends	Client: User can add friends	Done	6	3.75	Jimmy
Client communication	E-mail questions to RedRiver	Done	0.5	0.5	Linda
Documentation	Update time report for iteration 3	Done	1	1.5	Linda
Client communication	Send e-mail answer from RedRiver to group	Done	0.25	0.25	Linda
Client communication	E-mail new time for meeting to RedRiver	Done	0.25	0.25	Linda
Documentation	Write analysis of iteration 3, add to page for iteration 4	Done	1	2	Linda
Documentation	Write iteration plan for iteration 4 (for group)	Done	0.5	0.25	Linda
Client communication	Write list of things to discuss with RedRiver	Done	0.25	0.25	Linda
Documentation	Add text for milestones M5 and M6, add text for deliverables	Done	0.75	0.75	Linda
F1 F2 F3	Test system before meeting with RedRiver	Done	0.25	0.25	Linda
Peer review	Go through bullet list of needed changes from group Futurum, see if everything is updated	Done	1.25	1.25	Linda
Client communication	Start video call in Google Hangouts	Done	0.25	0.25	Linda
Peer review	Prepare Wiki for being sent to course management, add information	Done	1	2.75	Linda
Peer review	Clone Wiki and send to course management	Done	0.25	0.25	Linda
Project knowledge	Refresh knowledge on React and JavaScript	Done	1	2	Linda
Project plan	Update according to Group 0 peer review	Done	1	1	Sofia
Test	Update according to Group				

specification	0 peer review	Done	1	1	Sofia
Product backlog	Update according to Group 0 peer review	Done	1	1	Sofia
Vision	Update according to Group 0 peer review	Done	2	2	Sofia
F2	Prototype: Update F2 user page after login	Done	1	1	Sofia
Vision	Update according to new customer information	Done	1	1	Sofia
Project plan	Update according to new customer information	Done	0.5	0.5	Sofia
Testing	Check out test frameworks to use for auto tests on React	Done	1.25	1.25	Sofia
Testing	Set up Jest test environment for front–end	Done	3	3.5	Sofia
F1, F2, F3, F4	Create Jest tests for front–end	Done	12	7	Sofia
Testing	Update repo with screenshot from automated jest tests and clickable html–file	Done	0.25	0.25	Sofia
Test report	Update with screenshot and instructions on the automated jest tests	Done	0.5	0.5	Sofia
Test specification	Update the automated test section	Done	0.5	0.5	Sofia
Inception presentation	Finish the slide presentation	Done	0.5	0.5	Sofia
		Sum	95.5	96.25	