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# Contents

<b>1</b>	<b>2016</b>	<b>5</b>
1.1	October . . . . .	6
	01-HW1: Vision (2016-10-10 06:45) - mumsfit . . . . .	7
	Contact (2016-10-10 06:45) - mumsfit . . . . .	8
	About (2016-10-10 06:45) - mumsfit . . . . .	9
	01-HW2: RUP terminology (2016-10-13 12:11) - mumsfit . . . . .	10
	01-HW3: Software Requirements Specification and UCD (2016-10-21 09:32) - mumsfit . . . . .	11
1.2	November . . . . .	13
	01-HW4: The first two usecases (2016-11-01 17:09) - mumsfit . . . . .	14
	01-HW5: Scrumboard (2016-11-08 10:58) - mumsfit . . . . .	15
	01-HW6: Cucumber / Calabash (2016-11-15 19:05) - mumsfit . . . . .	16
	01-HW7: Software Architecture Document (2016-11-21 12:05) - mumsfit . . . . .	17
	01-HW8: Software Architecture (2016-11-28 15:46) - mumsfit . . . . .	18
1.3	December . . . . .	19
	01-HW9: Gantt-Chart (2016-12-05 16:29) - mumsfit . . . . .	20
<b>2</b>	<b>2017</b>	<b>21</b>
2.1	January . . . . .	22
	01-Midterm: Summary (2017-01-04 17:05) - mumsfit . . . . .	23
2.2	April . . . . .	25
	02-HW2: Risk Management and new Usecases! (2017-04-18 16:41) - mumsfit . . . . .	26
	02-HW3: Function Point Estimation (2017-04-25 14:21) - mumsfit . . . . .	28
2.3	May . . . . .	31
	02-HW4: Unit Testing (2017-05-02 18:40) - mumsfit . . . . .	32
	02-HW5: Refactoring (2017-05-10 08:51) - mumsfit . . . . .	34
	02-HW6: Patterns (2017-05-16 15:27) - mumsfit . . . . .	35
	02-HW7: Metrics (2017-05-17 14:26) - mumsfit . . . . .	36
	02-HW8: Testing 2 (2017-05-31 10:52) - mumsfit . . . . .	39
2.4	June . . . . .	40
	02-HW9: Deployment CI (2017-06-14 11:31) - mumsfit . . . . .	41
	02-FINAL (2017-06-22 13:13) - mumsfit . . . . .	42



# 1. 2016

## 1.1 October

**01-HW1: Vision (2016-10-10 06:45) - mumsfit**

Hello guys, we are proud to introduce you "MuM's Fit".

Our idea is to simplify the documentation of your training. Besides the training by itself and the correct diet, the documentation is one of the most important things to achieve your goals. And nothing is more annoying than either writing on a normal paper or working with an excel-chart on your smartphone.

We want to implement the following features as an app for your smartphone:

- creating a plan
- managing the plan during the training
- progress analysis after the training
- sharing the plan

Stay tuned for more information about our progress!

by Maximilian Hirte and Moritz Wacker, the team of "MuM's Fit"

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smartcinemaproject (2016-10-13 12:24:07)

This is a great idea! Some of us were exactly in this situation. You go back to training and you can't remember what you achieved or did the last time. We think that we now have an idea about what you're going to do. We are looking forward for any updates!

mumsfit (2016-10-13 12:43:41)

Thanks for your comment, we hope we can improve your life quality with our app! kind regards, MuM

nextsmartidea (2016-10-13 12:34:11)

I like your picture very much ;) Dispite I don't like to go to the gym it's sounds like a great idea.

nextsmartidea (2016-10-13 12:36:02)

Maybe you can also implemt push notifications that remember the user he hast to do his workout :)

mumsfit (2016-10-13 12:46:43)

thank you for your report. Maybe you should try out going to the gym, you could enjoy it! And also you could use our app then. kind regards, MuM

**Contact (2016-10-10 06:45) - mumsfit**

This is a contact page with some basic contact information and a contact form. [contact-form][contact-field label="Name" type="name" required="1"/][contact-field label="Email" type="email" required="1"/][contact-field label="Website" type="url"/][contact-field label="Comment" type="textarea" required="1"/][contact-form]

This is just a short excerpt for the contact page.

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**About (2016-10-10 06:45) - mumsfit**

MuM = Max und Moritz

Support: [mumsfitapp@gmail.com](mailto:mumsfitapp@gmail.com)

This is just a short excerpt for the about page.

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**01-HW2: RUP terminology (2016-10-13 12:11) - mumsfit**

Hello guys,  
this week we thought about our team roles, and we defined them in the following way:

First of all, we do not need a Project Manager, because we are just a team of two people. Also, we both implement and test our program, so we can not split up these roles. Max will do more of the Frontend implementation and Moritz will do more of the Backend implementation.

Moritz will take care of the following tasks:  
Business Designer, Requirements Specifier, Tool Specialist

Max tasks will be:  
Designer, Graphic Artist, Configuration and Change Control Manager

For the implementation we will use Android Studio and Java. We wanted to save the necessary data in a small database.

kind regards, the team of "MuM's Fit"

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nextsmartidea (2016-10-13 13:21:26)

Good definition of your team roles by using the RUP disciplines. And as required you mentioned the technologies you plan to use. Btw. nice picture ;) Kind regards NextSmartIdea

mumsfit (2016-10-17 10:02:43)

Thanks for your nice comment. And thanks for also reviewing all necessary criteria. Kind regards, MuM

mMio (2016-10-16 19:39:32)

Hello from mMio, nice diagram and all relevant issues are listed. Could you write a bit more in detail about the technologies you will use for your project? (Do you use a Database for example ?) Greetings !

mumsfit (2016-10-17 10:05:59)

Thank you for reminding us to add some information about the technologies, we will complete the post immediately.  
Kind regards, MuM

**01-HW3: Software Requirements Specification and UCD (2016-10-21 09:32) - mumsfit**

Hello guys,  
we wanted to give you a short update about our progress.

In generell, we will upload a lot of information to our GitHub-Repository, here is the link if you want to have a look at it (this one will always work if one of the other links is outdated): [1]GitHub-Repository

This week, we elaborated our first version of the Software Requirements Specification. Because of the fact that we did not start with the implementation yet, we can not enter that much information by now. Anyway, here is the link if you want to have a look at it: [2]SRS

Also, we created our overall Use-Case-Diagram. There you can get an idea about what we are planning to do and how we want our application to work. You can find it here: [3]Overall \_UCD

Also, Max is working on a logo for our application right now. We will show you the result as soon as he is pleased with his work.

Edit: Our Logo is finished, you can see it here: [4]MuM's Fit Logo

That's it for this week, stay tuned for more information.

Kind regards, the team of "MuM's Fit"

1. <https://github.com/MH0896/MuM-s-Fit>
2. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Requirements%20Specification.md>
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall\\_UCD.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall_UCD.png)
4. [https://github.com/MH0896/MuM-s-Fit/blob/master/Logo\\_MuMS\\_Fit.pdf](https://github.com/MH0896/MuM-s-Fit/blob/master/Logo_MuMS_Fit.pdf)

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tin15b4lsmf (2016-10-25 08:56:59)

Hello MuMs-Fit, You filled in the SRS according to the specifications. Regarding the Use Case diagramm we would like to know what roles the admins play in your application as well as the actions the system can launch. Greetings, TINF15B4-LSMF

mumsfit (2016-10-25 09:06:34)

Hello TINF15B4-LSMF, thanks for your review! Our user does not have to register in our app and that's why we don't need any kind of user management system. All the user does is entering his information about his training and this information will be saved locally. kind regards, MuM.

4nd3r50n (2016-10-25 13:55:56)

Hello mumsfit, after a short look over your use case diagram, i see that i cant find any "includes" and "extends" in your graphic. Extend is used when a use case adds steps to another first class use case. Example "Darstellung via charts" extends to "Trainingsauswertung" Includes are used if step A deinatly leads to Step B. Example: "Übungen hinzufügen" includes "Startgewichte eintragen". I'm not sure how exact we have to follow the rules of a use case diagram, but that actually are the rules: <https://de.wikipedia.org/wiki/Anwendungsfalldiagramm> (Caption: Beziehungen) Your SRS is very fine, all points are well described and written. You also added the (tbd) to all points you havent answered yet. Keep it up! Sincerely, 4nd3r50n from WhiteCode

mumsfit (2016-10-27 12:08:20)

Hello 4nd3r50n, thanks for your nice comment! We used a UCD from someone who already did this task before as template, so that's why your requested information is missing. Anyway, thanks for the reminder and also the link for the rules, we will see if we improve our UCD anytime. Kind regards, MuM.



## 1.2 November

## 01-HW4: The first two usecases (2016-11-01 17:09) - mumsfit

Hello guys,

this week we developed the first two usecases for our new App. you can find the links below:

Usecase 1: [1]Details ansehen

Usecase 2: [2]Trainingsplan löschen

In those files you will find a short description about the usecase and also an activity diagram and a short mock-up. The files might will be updated during the developing process.

Also, we updated our overall UCD, klick [3]here to have a look at it.

Kind regards, the team of "MuM's Fit"

1. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201\\_Details%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201_Details%20ansehen.md)

2. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202\\_Trainingsplan%20%C3%B6schen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202_Trainingsplan%20%C3%B6schen.md)

3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall\\_UCD.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall_UCD.png)

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mMio (2016-11-02 13:29:39)

Hello MuM's Fit, your usecases are easy to understand and meet the required criteria. The mockups give a good idea of how the user interaction works. You might want to use rectangles with rounded corners in your activity diagrams. Regards Team mMio

mumsfit (2016-11-03 11:35:11)

Hello mMio, thanks for your review, we updated our usecases! :) kind regards, MuM.

POSSystems (2016-11-03 10:39:37)

Hey Guys, with regards to grading criteria you're probably fine (see comment from mMio). I have a few questions however: Why is the UC "Trainingsplan löschen" in the "Menü-Optionen" category in your UCD and not in "Trainingsplan verwalten"? I feel like deleting items should be in the same area as creating and editing and viewing them (as this actually seems to be a CRUD). Greetings from POSSystems

mumsfit (2016-11-03 11:44:02)

Hello POSSystems, thanks for your comment. We arranged our usecases in that way, because then everything that shows up when opening the menu is together. Creating a plan will be done with a small button at the bottom right of the screen and editing it can just be done when one of them is opened. According to the CRUD we are not sure yet, we will have a look within the next few days. kind regards, MuM.

**01-HW5: Scrumboard (2016-11-08 10:58) - mumsfit**

Hello guys,

this week we started using Jira. You can find it [1]here (you will need an account to see it).  
Our sprints will take 2 weeks each.

We already connected our IDE to Jira and are working on connecting Git-Hub, too.

Kind regards, the team of "MuM's Fit".

1. <http://193.196.7.27:8080/secure/RapidBoard.jspa?rapidView=69&view=planning.nodetail>

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smartcinemaproject (2016-11-08 23:32:03)

Hey there, Your Jira board obviously exists and you started a sprint. We can also see that you are working with Jira as some of the tasks are already resolved, though you should check your time logging again. Your burndown chart looks kind of messed up because you did not log your working time on the issues you completed. You might want to take a look at that and set the remaining estimate to 0 if the issue is done. Apart from that it looks great. There are tasks and they correspond to epics that represent your use cases. Its also great that you already integrated your github account with Jira and your IDE. Keep up the good work! Kind regards Team of SmartCinema

mumsfit (2016-11-10 09:43:51)

Hello from MuM, thanks for your comment and your constructive criticism. We are not that familiar with Jira so we have some issues at the moment, but we will have a look at it and try to fix it! kind regards, MuM.

nextsmartidea (2016-11-10 10:03:52)

Hey, your Jira looks quite good. You have a Scrumboard and created your first sprint. We think your Tasks are good structured and they are associated with the use cases. Your burndown chart doesn't look so healthy but we have the same issues ;) Kind regards, NextSmartIdea

mumsfit (2016-11-10 10:08:43)

Hello from MuM, thanks for your comment! And also for your criticism, we will work on our chart. We are glad not to be the only one with this problem! :) Kind regards, MuM.

sams96lina (2016-11-10 10:03:55)

Hey guys, your Jira board is detailed and clear. You made it very nice. Kind regards sams96lina

mumsfit (2016-11-10 10:07:09)

Hello from MuM, thanks for your nice comment! Anyway, it would be nice if you have a look at the grading criteria for this week, because for example our burndown chart does not look really healthy as it was claimed. Kind regards, MuM.

**01-HW6: Cucumber / Calabash (2016-11-15 19:05) - mumsfit**

Hello guys, this week we started integrating Calabash (website: [1]Calabash) into our project.

The first two feature files can be found in our GitHub-Repository, as everything regarding our project.

[2]Feature: Create Training Plan

Also, [3]here you can find a proof that we are using the autocorrection and the correct coloring and we also updated some of our PDFs for the Usecases, you can find them in [4]this directory.

That's it for this week.

Kind regards, the team of "MuM's Fit".

1. <http://calaba.sh/>
2. <https://github.com/MH0896/MuMsFit/blob/master/features/CreateTrainingPlan.feature>
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/FeatureFiles/proof\\_autocomplete.jpg](https://github.com/MH0896/MuM-s-Fit/blob/master/FeatureFiles/proof_autocomplete.jpg)
4. <https://github.com/MH0896/MuM-s-Fit/tree/master/Usecases/MD-Files>

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mMio (2016-11-17 01:13:27)

Hey, your .feature files look good and you have proven that you used autocompletion and syntax highlighting. The only thing we miss is a second scenario on the usecase "Create Training Plan". Instead of the screenshots you could also put the actual .feature files on github. Regards Team mMio

mumsfit (2016-11-17 10:03:05)

Hello from MuM, thanks for the review. We are working on the other scenarios for "Create Training Plan" at the moment, we will update it as soon as we are finished. We might also upload the actual .feature files then, instead of screenshots ;) Kind regards, MuM

nextsmartidea (2016-11-17 10:45:06)

Hey Guys, After looking at your feature files we think instead of writing "...a Training Plan" you should specific say which Plan to choose. Everything else is already said, we won't repeat it ;) nextsmartidea

mumsfit (2016-11-17 10:49:11)

Hello from MuM, thanks for the review. We are currently working on our feature files, so they will be edited and updated soon. kind regards, MuM.

Software Architecture Document – MuM's Fit (2016-11-21 12:05:31)

[...] Previous [...]



**01-HW7: Software Architecture Document (2016-11-21 12:05) - mumsfit**

Hello guys, this week we started filling out our Software Architecture Document (which you can find [1]here).

Our first use-case (create plan) is complete and fully implemented. Also, we got our first automated test working and updated the link to the feature file from last weeks post ([2]Cucumber / Calabash).

Kind regards, the team of "MuM's Fit".

1. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Architecture%20Document.md>

2. <https://mumsfit.wordpress.com/2016/11/15/cucumber-calabash/>

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tinf15b4lsmf (2016-11-22 18:10:59)

Hey guys, according to the grading criterias we had to create a class diagram containing at least 5 classes. Also we had to create our first DB schema. Your class diagram matches the needed classes and they seem to be alright so far. Concerning your class "CreatePlan" i think this shouldn't be a class but more likely be a method of a class called "Plan", correct me if i am wrong :3 Your DB schema seems to be alright. The last thing missing is moving the class diagram in your SAD to point 8 instead of 5 as stated in the criterias ([http://dhwse2016.pbworks.com/w/page/113024104/07\\_GC\\_classDiagram](http://dhwse2016.pbworks.com/w/page/113024104/07_GC_classDiagram))  
Regards LSMF

mumsfit (2016-11-24 11:31:13)

Hello from MuM, thanks for your review. Our class "CreatePlan" is actually the java class for the activity, so we renamed it to "CreatePlanActivity" to avoid confusion. We will also update our SAD, thanks for the information :). Kind regards, MuM.

mMio (2016-11-24 10:22:41)

Hello from mMio, it seems that you've completely fulfilled the given criterias. The class diagram and your DB schema are looking great. Like LSMF already metioned, i also think the naming of the class "CreatePlan" would better fit if it's just called "Plan" because a word like "create" is more common to be used in front of a method name. Futhermore i would recommend to name attributes, methods or classes in one common language. But in the end it's your decision how classes and methods will be entitled within your project. Greetings mMio

mumsfit (2016-11-24 11:35:00)

Hello from MuM, thanks for your review! Just as we commented on LSMFs post, we changed the name of the class "CreatePlan" to "CreatePlanActivity" to avoid confusion. According to our name-giving, you are right. We will be more attentive in the future! kind regards, MuM.

nextsmartidea (2016-11-24 10:30:59)

Hey guys, your db schema looks quite good. It is small but mighty ;D The class diagram is good, too. You have at least five classes as requested but as lsmf said you should move it to point 8 in your SAD. Did you generated this diagram? And if so what tool did you use? Greetings, NextSmartIdea

mumsfit (2016-11-24 11:38:15)

Hello from MuM, thanks for your review. Yes, we also like our mighty database. We are updating our SAD soon. Our Diagramm is generated. At first we tried to do it with Android Studio with the tool "simple UML", but it did not work. So now we imported our classes into Eclipse and used "ObjectAid" to generate the diagramm. Kind regards, MuM.

**01-HW8: Software Architecture (2016-11-28 15:46) - mumsfit**

Hello guys, this week we continued to work on our software architecture. We will be using the inherited Android MVC. If you are interested in it, [click \[1\]here](#) to see a short explanation of it.

We added all the necessary information to our [\[2\]Software Architecture Document](#).

Because we could not upload our project to a server as requested, we decided to upload the first .apk of our App to GitHub, so you can see what we have done until now. Feel free to comment if you find errors or have ideas for improvements. You can find it here: [\[3\]MuM's Fit .apk](#)

And if you follow [\[4\]this link](#), you can try out the application online.

Kind regards, the team of "MuM's Fit".

1. <http://www.techyourchance.com/mvp-mvc-android-1/>
2. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Architecture%20Document.md>
3. <https://github.com/MH0896/MuM-s-Fit/blob/master/Demo-Version/app-debug.apk>
4. <https://appetize.io/app/xfeajugg5ygz9ugub9ckb49gnw>

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Team Project Ortus (2016-11-28 21:24:14)

Hi MuMs Fit, nice to see you've already done your homework for this week, but unfortunately we are missing the Software Architecture Document to get more information about your project. Your MVC Diagramm looks nice but we really want to learn more about your tool! :/ Maybe you can add it and we will come back later! Have a nice week and regards, Team Project Ortus

mumsfit (2016-11-30 10:11:45)

Hey guys, sorry for the missing link. We forgot it this week because we already added the file last week and so we lost sight of it. Now, the link is added and the file is updated so feel free to look it up and give us your feedback afterwards. Kind regards, MuM.

tin15b4lsmf (2016-11-29 18:41:29)

Hey guys, according to our grading criterias there were some additional fields to fill in our SAD. Section 2,3,5,7,9 had to be filled accordingly. Despite not having a link in your new post (as mentioned above) I looked it up in your last post. As far as I have noticed point 7 is missing (in case you use a server-client architecture). The rest seems to only be out of order -> 2 should be in 3, 5.1 should be in 2. Moving those posts should do the trick. Regards LSMF

mumsfit (2016-11-30 10:13:57)

Hello guys, we are sorry for the missing link. As you also mentioned, we already added it last week, so we lost sight of it this week. But now, the link is added and we also updated the file if you want to have a look at it again. Kind regards, MuM.

## **1.3 December**

**01-HW9: Gantt-Chart (2016-12-05 16:29) - mumsfit**

Hello guys, this week we tried to export our issues from JIRA to MS Project to display a nice Gantt-Chart. Klick here for the [1].mpp or the [2].pdf{

Edit: Thanks to "Team Project Ortus", now we also have a working picture of our Gantt-Chart, which you can find [3]here.

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/MuM-s-Fit/tree/master/MS\\_Project](https://github.com/MH0896/MuM-s-Fit/tree/master/MS_Project)

2. [https://github.com/MH0896/MuM-s-Fit/blob/master/MS\\_Project/MuMs%20Fit.pdf](https://github.com/MH0896/MuM-s-Fit/blob/master/MS_Project/MuMs%20Fit.pdf)

3. [https://github.com/MH0896/MuM-s-Fit/blob/master/MS\\_Project/MuMs%20Fit%20Gantt.png](https://github.com/MH0896/MuM-s-Fit/blob/master/MS_Project/MuMs%20Fit%20Gantt.png)

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Team Project Ortus (2016-12-05 18:24:18)

Hi Team Mumsfit' Team, You're Gant diagram looks complete and we were able to get a clue of your task determination. Unfortunately the PDF File really looks a bit messed up! I think you guys used MS Project, didnt you? There is nice a way to export the Diagramm as a gif file..to do that mark the lines you want to export, click on "Kopieren -> Bild Kopieren -> Für Bildschirm, Zeilen auf dem Bildschirm / ausgewählte Zeilen, gewünschtes Datum" and there you go a nice looking picture of your Diagramm! Keep going and regards, Team Project Ortus

Team Project Ortus (2016-12-05 18:25:25)

\* fixed our URL

mumsfit (2016-12-06 10:43:53)

Hello from MuM, thanks for your review and thank you very much for your help with the Gantt-Chart. Take a look at it if you want to, we added the link to our post. Kind regards, MuM.

smartcinemaproject (2016-12-06 23:18:13)

Hello MuM, you did a good job there! Your Gantt-Chart looks nice and give us a insight of your workflow. Every task is associated with a member of your team and it clear where it belongs to. Also you clearly marked the milestones for the inception and elaboration of your project. And after Team Ortus gave you the tip with the .gif-file there is nothing to complain about. Keep the good work up! Kind regards Team SmartCinema!

mumsfit (2016-12-07 10:06:57)

Hello from MuM, thnak for your review. We are also happy that everything looks fine now :) kind regards, MuM.

## 2. 2017

## 2.1 January

**01-Midterm: Summary (2017-01-04 17:05) - mumsfit**

Hello guys, today we will show you a summary of all the stuff we did within the last three months:

Requirements:

- [1]Use-Case: Details ansehen
- [2]Use-Case: Trainingsplan löschen
- [3]Use-Case: Trainingsplan erstellen
- [4]Use-Case: Trainingsplan ansehen
- [5]Use-Case: Trainingsplan bearbeiten

SRS:[6]

Software Requirements Specification

Feature Files:

- [7]Trainingsplan erstellen
- [8]Trainingsplan löschen
- [9]Trainingsplan bearbeiten
- [10]Trainingsplan ansehen
- [11]Trainingsplan ansehen

Project Management:

- [12]Jira Board
  - [13]Gantt-Chart
- worked hours on Handout-Link

Ability to Execute:

- Latest apk: [14]Download  
Or try it [15]online (appetize.io)  
Complete Source-Code on [16]GitHub

Architecture:

- [17]Software Architecture Document

Quality:[18]

- [19]Midterm Presentation
- [20]Handout (with working hours)

All files are up to date and will be refreshed as soon as there are any changes.

We Hope you had a great Christmas and New Year, see you soon.

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201\\_Details%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201_Details%20ansehen.md)
2. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202\\_Trainingsplan%201%C3%B6schen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202_Trainingsplan%201%C3%B6schen.md)
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203\\_Trainingsplan%20erstellen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203_Trainingsplan%20erstellen.md)
4. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204\\_Trainingsplan%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204_Trainingsplan%20ansehen.md)
5. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205\\_Trainingsplan%20bearbeiten.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205_Trainingsplan%20bearbeiten.md)

ten.md

6. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Requirements%20Specification.md>

7. <https://github.com/MH0896/MuMsFit/blob/master/features/CreateTrainingPlan.feature>

8. <https://github.com/MH0896/MuMsFit/blob/master/features/DeletePlan.feature>

9. <https://github.com/MH0896/MuMsFit/blob/master/features/EditPlan.feature>

10. <https://github.com/MH0896/MuMsFit/blob/master/features/ViewDetails.feature>

11. <https://github.com/MH0896/MuMsFit/blob/master/features/ViewPlan.feature>

12. <http://193.196.7.27:8080/secure/RapidBoard.jsps?rapidView=69&view=reporting&chart=sprintRetrospective&sprint=392>

13. [https://github.com/MH0896/MuM-s-Fit/blob/master/MS\\_Project/MuMs%20Fit%20Gantt.png](https://github.com/MH0896/MuM-s-Fit/blob/master/MS_Project/MuMs%20Fit%20Gantt.png)

14. <https://github.com/MH0896/MuM-s-Fit/blob/master/Demo-Version/app-debug.apk>

15. <https://appetize.io/app/xfeajugg5ygz9ugub9ckb49gnw>

16. <https://github.com/MH0896/MuMsFit>

17. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Architecture%20Document.md>

18. <https://github.com/MH0896/MuM-s-Fit/blob/master/Software%20Architecture%20Document.pdf>

19. [https://docs.google.com/presentation/d/1znJmcv9vcB48C64iRnnnDijt8hrNxq\\_Ebsy1hvhxos/edit#slide=id.p](https://docs.google.com/presentation/d/1znJmcv9vcB48C64iRnnnDijt8hrNxq_Ebsy1hvhxos/edit#slide=id.p)

20. <https://docs.google.com/document/d/1mdflTsGrm3RNlyQHfFfpwvQMhDBDw2K9-w2Hu2i0Y0k/edit#heading=h.37y1ytavw5py>

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## 2.2 April

## 02-HW2: Risk Management and new Usecases! (2017-04-18 16:41) - mumsfit

Hello guys, we are back from the winter break and here are the first new things:

1. We took a look at all the possible risks related to our project. You can see it [1]here.
2. We estimated the time we spend on each of the five Usecases from the last year. For a short overview, [2]klick here.
3. We came up with five new Usecases for this semester:
  - (a) [3]Usecase 6: Einstellungen ändern
  - (b) [4]Usecase 7: Trainingsplan exportieren
  - (c) [5]Usecase 8: Trainingsplan importieren
  - (d) [6]Usecase 9: Analyse ansehen
  - (e) [7]Usecase 10: Training durchführen Note: We split the old Usecase "import/export" in two different Usecases because it will become a more complex step than we thought in the beginning.
4. Our new Overall Usecase Diagram can be found [8]here.

Also, we changed the structure of our GitHub repository. If you find some links that are not working anymore, please leave us a short comment.

Kind regards, the team of "MuM's Fit".

1. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Riskiomanagement.md>
2. <https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/%C3%9Cbersicht%20Usecase-Dauer.md>
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206\\_Einstellungen%20%C3%A4ndern.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206_Einstellungen%20%C3%A4ndern.md)
4. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207\\_Trainingsplan%20exportieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207_Trainingsplan%20exportieren.md)
5. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208\\_Trainingsplan%20importieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208_Trainingsplan%20importieren.md)
6. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209\\_Analyse%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209_Analyse%20ansehen.md)
7. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010\\_Training%20durchf%C3%BChren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010_Training%20durchf%C3%BChren.md)
8. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall\\_UCD.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall_UCD.png)

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nextsmartidea (2017-04-19 09:29:19)

Hey, your risk management looks quite good. Your risks are realistic and the risk impact is a number from 1 to 10 as requested. Except from one risk your table is sorted by the risk factor. The overview with the hours you spent on each use case looks realistic and quite detailed. Most of your use case documents contain mockups and activity diagram and the other necessary descriptions. I suppose it was your intention that the use case "Trainingsplan durchführen" does not have a mockup and activity diagram but you could add this two thinks exemplary. Greetings NextSmartIdea

mumsfit (2017-04-19 09:40:33)

Hello from MuM, thanks for your information about our risk management table, we updated it :) We are not absolutely sure how "trainingsplan durchführen" will work, that's why we did not add anything yet. But we are working on it. Kind regards, MuM.

mMio (2017-04-19 10:42:42)

Hi MuM, you have done a good job with your list of risks. We miss the column for the person in charge though. Some of the links to the images in you usecases seem to be broken... Regards, mMio

mumsfit (2017-04-19 10:55:13)

Hello guys, according to the links, we assume that you are talking mostly about the "screenshots" links, which are just placeholders at the moment because there are no screenshots yet. The information for "training durchführen" will be added within the next few days. The missing column will be added now, thanks for the information! kind regards, MuM.

## 02-HW3: Function Point Estimation (2017-04-25 14:21) - mumsfit

Hello guys, this week we calculated our "Function Points" for every usecase, click [1]here to see the revised overview. We used "[2]TINY TOOLS" to calculate them.

In the picture below you can see our Complexity Adjustment Table:

**Complexity Adjustment Table**

ITEM	COMPLEXITY ADJUSTMENT QUESTIONS	SCALE					
		No Influence				Essential	
		0	1	2	3	4	5
1	Does the system require reliable backup and recovery?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	Are data communications required?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3	Are there distributed processing functions?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	Is performance critical?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Will the system run in an existing, heavily utilized operational environment?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	Does the system require on-line data entry?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	Does the on-line data entry require the input transaction to be built over multiple screens or operations?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	Are the master files updated on-line?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	Are the inputs, outputs, files or inquiries complex?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	Is the internal processing complex?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	Is the code to be designed reusable?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	Are conversion and installation included in the design?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	Is the system designed for multiple installations in different organizations?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
14	Is the application designed to facilitate change and ease of use by the user?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

[Domain Characteristic Table](#) | [FP Calculation](#)

We added the information to our old Usecases:

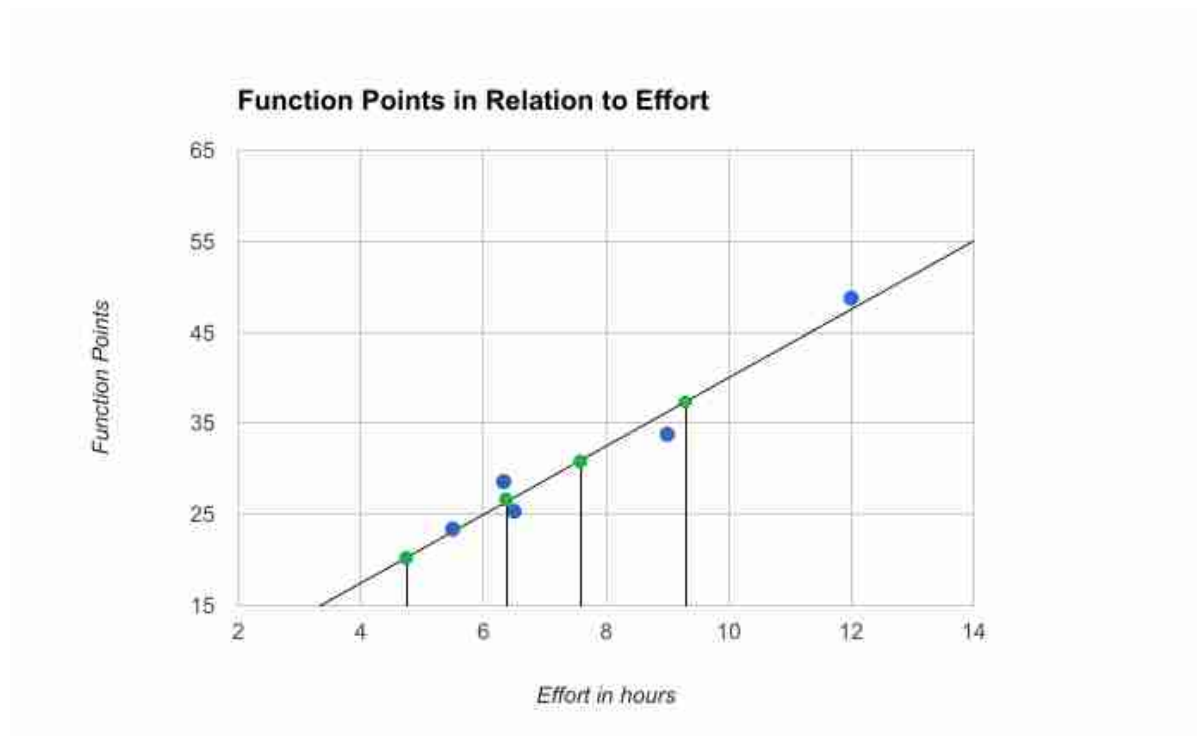
- [3]Usecase 1: Details ansehen
- [4]Usecase 2: Trainingsplan löschen
- [5]Usecase 3: Trainingsplan erstellen
- [6]Usecase 4: Trainingsplan ansehen
- [7]Usecase 5: Trainingsplan bearbeiten

The following Usecases need to be implemented this semester (document updated):

- [8]Usecase 6: Einstellungen ändern
- [9]Usecase 7: Trainingsplan exportieren
- [10]Usecase 8: Trainingsplan importieren
- [11]Usecase 9: Analyse ansehen

The information for [12]Usecase 10: Training durchführen is in progress and will be updated soon.

This second picture shows our Function Points in relation to their effort:



As you see, there are no outliers.

All the information can also be found in this [13]excel-sheet.

Kind regards, the team of "MuM's Fit".

1. <https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/%C3%9Cbersicht%20Usecase-Dauer.md>
2. [http://groups.engin.umd.umich.edu/CIS/course.des/cis525/js/f00/harvey/FP\\_Calc.html](http://groups.engin.umd.umich.edu/CIS/course.des/cis525/js/f00/harvey/FP_Calc.html)
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201\\_Details%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201_Details%20ansehen.md)
4. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202\\_Trainingsplan%201%C3%B6schen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202_Trainingsplan%201%C3%B6schen.md)
5. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203\\_Trainingsplan%20erstellen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203_Trainingsplan%20erstellen.md)
6. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204\\_Trainingsplan%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204_Trainingsplan%20ansehen.md)
7. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205\\_Trainingsplan%20bearbeiten.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205_Trainingsplan%20bearbeiten.md)
8. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206\\_Einstellungen%20%C3%A4ndern.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206_Einstellungen%20%C3%A4ndern.md)
9. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207\\_Trainingsplan%20exportieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207_Trainingsplan%20exportieren.md)
10. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208\\_Trainingsplan%20importieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208_Trainingsplan%20importieren.md)
11. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209\\_Analyse%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209_Analyse%20ansehen.md)
12. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010\\_Training%20durchf%C3%BChren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010_Training%20durchf%C3%BChren.md)
13. <https://docs.google.com/spreadsheets/d/1kQruOB1dxmJBxSVBKs59UIKRMWaGrulMBfARqeUEz0Y/edit#gid=0>

sams96lina (2017-04-26 09:03:06)

Hey, you have done all granding criterias well! But it seems that you only have two new use cases, if three of your listed cases are old. Anyway, good job :) Greetings, WhiteCode

sams96lina (2017-04-26 09:09:12)

Hey, I see that you have four new use-cases! Sorry for this misunderstanding of me! But you have to link the old use-cases too. Greetings, Whitecode!

mumsfit (2017-04-26 09:11:46)

Hello from MuM, thanks for your review. We added our five old Usecases to the post, so now it should be clear which are our old and new Usecases :) Kind regards, MuM.

nextsmartidea (2017-04-26 09:09:06)

Hey Guys, as requested you have calculated the function points for your old and new use cases. You also added the calculation to each document and created a graph with this data. Your graph looks quite good especially because all your dots are very close to the trend line. Good job! Kind regards, NextSmartIdea

mumsfit (2017-04-26 09:14:04)

Hello from MuM, thanks for your nice report ☺ Kind regards, MuM.

## 2.3 May

## 02-HW4: Unit Testing (2017-05-02 18:40) - mumsfit

Hello guys, this week we dealt with unit testing.

If you click [1]here, you can see our test code. At the moment, just the Main Activity has been tested, the rest will follow. A screenshot from this first test can be seen below:



```

Testing started at 17:38 ...
05/02/17:38:44: launching Tests in 'com.example.maxhi_000.mumsfit'
No apk changes detected since last installation, skipping installation of C:\Users\maxhi_000\AndroidStudioProjects\MuMsFit2\app\build\outputs
$ adb shell am force-stop com.example.maxhi_000.mumsfit
$ adb push C:\Users\maxhi_000\AndroidStudioProjects\MuMsFit2\app\build\outputs\apk\app-debug-androidTest.apk /data/local/tmp/com.example.maxhi_000.mumsfit.test
$ adb shell pm install -r "/data/local/tmp/com.example.maxhi_000.mumsfit.test"
pkg: /data/local/tmp/com.example.maxhi_000.mumsfit.test
Success

Running tests
$ adb shell am instrument -w -r -e package com.example.maxhi_000.mumsfit -e debug false com.example.maxhi_000.mumsfit.test/android.support-
Connected to process 9276 on device samsung-sm-g900f-32002720e6c3235.

Started running tests
Tests ran to completion.
  
```

[2]..or click here!

Our [3]gradle file shows the integration of an appropriate unit test.

And at last, [4]here you can see our test plan.

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/MuMsFit/tree/master/app/src/test/java/com/example/maxhi\\_000/mumsfit](https://github.com/MH0896/MuMsFit/tree/master/app/src/test/java/com/example/maxhi_000/mumsfit)
2. [https://github.com/MH0896/MuM-s-Fit/blob/master/UseCases/Screenshots/working\\_unit\\_tests.PNG](https://github.com/MH0896/MuM-s-Fit/blob/master/UseCases/Screenshots/working_unit_tests.PNG)
3. <https://github.com/MH0896/MuMsFit/blob/master/app/build.gradle>
4. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Test%20Plan.md>

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smartcinemaproject (2017-05-03 00:15:14)

Hey there, i just checked the work you did this week. You don't have a unit test according to a use case but we don't have it as well - so who am i to judge. I am sure this test will follow (as you already wrote). But at least you have one and you have shown that it is running inside your IDE. Your Test Plans seems to be "a little bit" empty. Don't forget to fill it out! ;) BTW: If you use markdowns for your documents you dont have to track the revision history manually inside the document. GIT does this for you - isn't this awesome?! The other links and informations seems to be good! Keep up your good work! Team SmartCinema

mumsfit (2017-05-03 09:19:50)

Hello from MuM, thanks for your review! You guessed right, the unit test is following soon. And for sure we will fill out the template as soon as we gathered all the necessary information! :) kind regards, MuM.

mMio (2017-05-03 09:32:49)

Hey, as my previous speaker already said, you are missing unit test code for a use case. The RUP Test Plan looks pretty empty and the formatting is partially broken, but I like it that you use Markdown. Your test screenshot is too big, i can't view it in my browser directly, you should probably retake one (the test window in your IDE should be fine). Your IDE Test integration looks great (IntelliJ?) Greetings from mMio



mumsfit (2017-05-03 10:10:26)

Hello from MuM, I just saw the formatting error, will take care about that now. For the screenshot, we knew that it would be too big so that's why we added the link to the screenshot laying in our GitHub repository (below the picture), where you can simply press "download" and it will open the picture for you in full size. kind regards, MuM.

nextsmartidea (2017-05-03 11:07:55)

Hey Guys, you have done everything that was requested by the grading criteria. And your test cases fit some of your use cases. As the others already said you didn't fill out the test plan but this wasn't part of the grading criteria so good job. Kind regards, NextSmartIdea

## 02-HW5: Refactoring (2017-05-10 08:51) - mumsfit

Hello guys, this week we had to do with refactoring.

This had to be done from both of us, so here are the links to the GitHub-Repositories:

[1]Max GitHub

[2]Moritz GitHub

The base repository where the code came from is [3]this one.

That's it for this week.

Edit:

As said in the presentation of our homework, here is our "[4]index.html" file from our Android-Project. You might want to view in the browser for better clarity.

Also, here is our "[5]travis.yml". Doing this was not very easy, and a bit confusing and strange, too. For example, others just needed 4 lines of code in this file, we needed more than 50 to get it to work properly.

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/Fowler\\_Refactoring/commits/myFirst](https://github.com/MH0896/Fowler_Refactoring/commits/myFirst)
2. [https://github.com/MW210696/Fowler\\_Refactoring](https://github.com/MW210696/Fowler_Refactoring)
3. <https://nappydevelopment.wordpress.com/2016/05/01/fowlers-refactoring/>
4. <https://github.com/MH0896/MuMsFit/blob/master/index.html>
5. <https://github.com/MH0896/MuMsFit/blob/master/.travis.yml>

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nextsmartidea (2017-05-10 09:28:54)

Hey Guys, your refactoring looks quite good. You have between 7 and 30 commits and your code looks good too. But take care to give each commit a clear description. Greetings, NextSmartIdea

nextsmartidea (2017-05-10 09:31:22)

And you could add some tests to your project :)

mumsfit (2017-05-10 10:16:50)

Hello from MuM, thanks for your comment. We thought our commits would have a clear description, sorry if that is not the case. As the grading criteria did not say anything about tests, we just "tested" our refactoring by executing the new code and see if it still works. In our opinion, this was enough for this short digression. Kind regards, MuM.

Factracing (2017-05-10 09:48:22)

Hey, Your Projects look good, i would also advise you to write Tests. With Tests you can be sure your Refactoring doesn't have any undesired side effects. Last thing, if you have problems with eclipse and GitHub, I use IntelliJ and everything works great. Greetings, Janik from FactRacing

mumsfit (2017-05-10 10:21:50)

Hello from MuM, thanks for your review. Thanks also for your hint with IntelliJ, but we just used Eclipse this one time for the refactoring exam because we did not want to test this as an Android App, so we will stay with Eclipse. According to the tests, we did not write any, because this was just a short digression. Sure you are on the safe side when you write some tests, but we did not consider them needed for such a small program. We decided to put this time into our project. Kind regards, MuM.

**02-HW6: Patterns (2017-05-16 15:27) - mumsfit**

Hello guys, this week our task was to implement a pattern into our app.

At the moment, we got our "old"-pattern - the MVP-Architecture, and the [1]Singleton-Pattern as this is fixed in Android for the presenter level.

We have not implemented anything else yet, because the patterns either don't fit into our application, or are given by android without us doing anything.

For example, a lot of elements in Android use the "builder"-pattern, connecting activities is done by Intents which use the "factory"-pattern, and so on. So we are going to discuss this with Ms. Berkling and give you an update after that.

Edit: Before we spoke with Ms. Berkling, we found out that we are actually using the adapter pattern the whole time without realising it: our CustomListAdapter! It fills our list with the TextViews (name of the Plans) and enables interacting with the list, for example you can press a plan longer to enter ContextualActionMode that enables more options.

Anyway, [2]here is our Software Architecture, before doing any refactoring. As we are using this since the beginning, we have no "after" Architecture. Our adapter-class is highlighted [3]here.

Kind regards, the team of "MuM's Fit".

1. [https://en.wikipedia.org/wiki/Singleton\\_pattern](https://en.wikipedia.org/wiki/Singleton_pattern)

2. <https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP-Architecture.png>

3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP-Architecture\\_PatternMark.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP-Architecture_PatternMark.png)

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tin15b4lsmf (2017-05-17 09:18:59)

Heeeyooooo. Since you're aware that MVP/MVC and Singleton are not considered patterns for this exercise (and Singleton is bad in most cases anyway), you did mention two other patterns that are given to you "for free" when using android. I think this is just fine, but you could mention where those are used in your code specifically, so we can have a look if we were so inclined. Aight, das it mane. Peace.

mumsfit (2017-05-17 10:09:00)

Hello guys, thanks for your report! As we said, we are going to discuss that with Ms. Berkling. If she shares your opinion, of course we will add this information. :) Kind regards, MuM.

gottmusig (2017-06-08 10:49:34)

Hey guys, good for you realizing you used a pattern which counts for the grading criteria. Your class diagram looks fine to me and the pattern is clearly visible, good job on that. Greetings, GottMusig

02-FINAL - MuM's Fit (2017-06-22 13:13:37)

[...] SAD (with metrics and pattern explanation, blog post Metrics, blog post Pattern) Codacy dashboard MVP-Architecture Class diagram (includes pattern) Configuration management / [...]

## 02-HW7: Metrics (2017-05-17 14:26) - mumsfit

Hello guys, this week we did our homework about metrics. We are using [1]Codacy. Codacy is helping us finding errors or problems in our project, so we can improve both stability and performance of our application. Click [2]here to see our dashboard.

As you can see in our [3]README.md codacy is part of our deployment process. Every new commit to the "master"-branch gets checked by codacy.

1st Metric: Position of literals in string comparison

We refactored a lot of our code. For example, below you can see a part of our code before refactoring:

```
String themeName = prefs.getString("Theme", "Default");
if (themeName.equals("BlackTheme")) {
    setTheme(R.style.BlackTheme);
} else if (themeName.equals("LightTheme")) {
    setTheme(R.style.LightTheme);
} else if (themeName.equals("Default")) {
    setTheme(R.style.AppTheme);
}
```

... and here is the same part after refactoring:

```
String themeName = prefs.getString("Theme", "Default");
if ("BlackTheme".equals(themeName)) {
    setTheme(R.style.BlackTheme);
} else if ("LightTheme".equals(themeName)) {
    setTheme(R.style.LightTheme);
} else if ("Default".equals(themeName)) {
    setTheme(R.style.AppTheme);
}
```

The reason we did this, is the following: if "themeName" has the value "null", it would throw a NullPointerException if being at the start of the line. When being compared with the .equals()-method, it just returns false.

2nd Metric: Method names should not start with capital letters

Another error we had was that we named our methods with capital letters at the beginning. Of course we changed that too, because only class-names should begin with capital letters. We assume that a code snippet is not necessary for this refactoring step ;).

We also have a [4]before ([5]GitHub commit: before) and [6]after ([7]GitHub commit: after) of our metrics.

Codacy also wanted us to change/remove the "onNothingSelected"-method, because it does not contain anything:

```

spinner_uebung.setOnItemClickListener(new AdapterView.OnItemClickListener() {

    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        fillGUI();
    }

    @Override
    public void onNothingSelected(AdapterView<?> parent) {

    }

});

```

we did not change that, because those are predefined methods from android, without them we can not compile our project. But we don't need them, so we just left them empty.

And last but not least, we updated our test-plan with all information that is available at the moment. You can take a look at it if you click [8]here.

Kind regards, the team of "MuM's Fit".

1. <https://www.codacy.com/>
2. <https://www.codacy.com/app/MH0896/MuMsFit/dashboard>
3. <https://github.com/MH0896/MuMsFit/blob/master/README.md>
4. <https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/Screenshots/before%20metrics.PNG>
5. <https://github.com/MH0896/MuMsFit/tree/05334a43ff56d33058605df60ebbb8c5ced7ab51>
6. <https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/Screenshots/metrics-after.PNG>
7. <https://github.com/MH0896/MuMsFit/tree/6e02f3e96ced57962774e0af4014ac180c53b4f3>
8. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Test%20Plan.md>

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smartcinemaproject (2017-05-24 08:56:47)

Hey guys, that's awesome work you did this week! You can clearly see that you are using metrics now. Actually you refactored everything so you don't have any code smells left and got the best possible rating from your metrics tool. You did not mention it in your blog post, but as the dashboard seems to be tracking your commits I just assume that it is included in your deployment process. As you said you did not change everything that Codacy wants you to change but you explained why you decided not to change it so thats perfectly fine. Looks like you fulfilled all grading criteria so as I said at the beginning: Awesome work! Kind regards SmartCinema

mumsfit (2017-05-24 09:47:20)

Hello guys, we linked our README.md file in the beginning of the post, it shows that Codacy is part of our deployment process, you might have overlooked that :) Anyway, thanks for your positive review! :) Kind regards, MuM.

4nd3r50n (2017-05-24 09:34:00)

Hello Guys, well, SmartCinema brought it on point, they already said all important things. Good that there are tools like Codacy that can show developers errors and stuff to improve their project :) Very good work!

mumsfit (2017-05-24 09:53:16)

Hello, thanks for your kind review! We are also very happy to have the possibility to use tools like Codacy :) Kind regards, MuM

nextsmartidea (2017-05-24 09:43:30)

Hey Guys, you have done everything necessary for this week. And especially your explanations why you used the different metrics or why not are quite good. Your showed the code before and after refactoring and improved your metrics. So very

good work for this week. Greetings, NextSmartIdea

mumsfit (2017-05-24 09:54:18)

Hello from MuM, we are glad that you like our work for this week! Thanks for your review! :) Regards, MuM.

02-FINAL – MuM's Fit (2017-06-22 13:13:34)

[...] SAD (with metrics and pattern explanation, blog post Metrics, blog post Pattern) Codacy dashboard MVP-Architecture  
Class diagram (includes pattern) [...]

**02-HW8: Testing 2 (2017-05-31 10:52) - mumsfit**

Hello guys,

this week we again did something about testing. We updated our [1]Testplan (again). Our code-coverage can now be seen in the codacy badge of our[2] README.md in Github. We are trying to get this number higher as soon as possible.

We also uploaded our APK to our Git-Hub repository: [3]APK.  
And we made a "installation-document": [4]Click here!

It would be amazing, if some of you would install our App and take about 5-10 minutes of time to test it and fill out this document. You can just download the document and, after filling it out, send it to us or upload it somewhere we have access to. Thank you in advance for your help!

Sadly, because we don't want to spend lots of money on Adobe Reader Pro, you can not directly edit this PDF. As a workaround, you can simply insert a Textfield by clicking "Ausfüllen und Unterschreiben" on the right side of Adobe.

That's it for this week.

Kind regards, the team of "MuM's Fit".

1. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Test%20Plan.md>
2. <https://github.com/MH0896/MuMsFit/blob/master/README.md>
3. <https://github.com/MH0896/MuM-s-Fit/tree/master/Demo-Version>
4. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Installationstest%20Dokumentation.pdf>

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tinf15b4lsmf (2017-05-31 11:18:31)

Hey guys, as you stated above you are missing 3 % code coverage and are missing one last test. Despite that your post is in order and doesn't miss any links. Regards LSMF

mumsfit (2017-05-31 11:24:35)

Thanks for your review. We are working on the coverage at the moment, and we also need to figure out which test to implement as third one. We will update the testplan as soon as possible.

## 2.4 June



**02-HW9: Deployment CI (2017-06-14 11:31) - mumsfit**

Hello guys, this week we finished our project.

A team member of "SmartCinema" was so nice to install and test our application. You can find the report filled out by him [1]here.

It is working on all devices with Android version 5.0 and higher, which means we are covering +70 % of all android devices, and the trend is rising. We also tested and developed it on devices with versions 5, 6 and 7.

As for the deployment process, we are using Travis. Travis starts running on every push to the master branch and executes our tests. The result is seen in the Git-Hub badge.

That's it for now.

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Installationstest%20Dokumentation\\_SmartEvent-Fabian.pdf](https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Installationstest%20Dokumentation_SmartEvent-Fabian.pdf)

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nextsmartidea (2017-06-14 11:52:36)

Hey there, I installed this greates app and it runs beautiful!!! Very much WOW!!! Amazingggggg!!!!!!! BTW nice blog picture :D

mumsfit (2017-06-14 11:53:10)

Hello, thanks for your time and effort :D kind regards, MuM.

02-FINAL – MuM's Fit (2017-06-22 13:13:45)

[...] Previous [...]

**02-FINAL (2017-06-22 13:13) - mumsfit**

Hello guys,

this will be our final blog post. Our project ist finished.

This post will contain links to everything we did within the last year.

Usecases:

- [1]Overall UCD
- [2]Usecase 1: Details ansehen
- [3]Usecase 2: Trainingsplan löschen
- [4]Usecase 3: Trainingsplan erstellen
- [5]Usecase 4: Trainingsplan ansehen
- [6]Usecase 5: Trainingsplan bearbeiten
- [7]Usecase 6: Einstellungen ändern
- [8]Usecase 7: Trainingsplan exportieren
- [9]Usecase 8: Trainingsplan importieren
- [10]Usecase 9: Analyse ansehen
- [11]Usecase 10: Training durchführen

Testing:

- [12]Test plan
- [13]Feature-files ([14]proof autocomplete), [15]Feature-files LOG
- [16]Unit-tests
- [17]Test coverage ([18]badge(s))
- [19]Stress-test
- [20]Installation-test by "SmartEvent"

Projektmanagement:

- [21]Gantt-chart
- [22]JIRA (hours spend per team-member and team roles on handout, three healthy burndown-charts in final presentation)
- [23]Function Points Calculation (estimation and real time comparison)

Riskmanagement:

- [24]Riskmanagement

Architecture:

- [25]SAD (with metrics and pattern explanation, [26]blog post Metrics, [27]blog post Pattern)
- [28]Codacy dashboard
- [29]MVP-Architecture
- [30]Class diagram (includes pattern)

Configuration management / environmental setup: See part "Entwicklerwerkzeuge" in final presentation

Ability to execute:

- [31]latest apk (download and install it on android smartphone)
- [32]Appetize.io (try it out online)
- [33]Source code on GitHub

Deployment:

- [34]TravisCI
- [35]blog post Deployment

further information can be found inside the test plan

Other Documents:

[36]SRS

[37]Midterm presentation

[38]Final presentation ([39]handout)

[40]Blog as PDF (this PDF was made with "[41]BlogBooker")

We would like to thank everyone who supported us in this project!

Kind regards, the team of "MuM's Fit".

1. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall\\_UCD.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/UCDs/Overall_UCD.png)
2. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201\\_Details%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%201_Details%20ansehen.md)
3. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202\\_Trainingsplan%201%C3%B6schen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%202_Trainingsplan%201%C3%B6schen.md)
4. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203\\_Trainingsplan%20erstellen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%203_Trainingsplan%20erstellen.md)
5. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204\\_Trainingsplan%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%204_Trainingsplan%20ansehen.md)
6. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205\\_Trainingsplan%20bearbeiten.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%205_Trainingsplan%20bearbeiten.md)
7. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206\\_Einstellungen%201%C3%A4ndern.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%206_Einstellungen%201%C3%A4ndern.md)
8. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207\\_Trainingsplan%20exportieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%207_Trainingsplan%20exportieren.md)
9. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208\\_Trainingsplan%20importieren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%208_Trainingsplan%20importieren.md)
10. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209\\_Analyse%20ansehen.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%209_Analyse%20ansehen.md)
11. [https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010\\_Training%20durchf%C3%BChren.md](https://github.com/MH0896/MuM-s-Fit/blob/master/Usecases/MD-Files/Usecase%2010_Training%20durchf%C3%BChren.md)
12. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Test%20Plan.md>
13. <https://github.com/MH0896/MuMsFit/tree/master/features>
14. [https://github.com/MH0896/MuM-s-Fit/blob/master/FeatureFiles/proof\\_autocomplete.jpg](https://github.com/MH0896/MuM-s-Fit/blob/master/FeatureFiles/proof_autocomplete.jpg)
15. <https://github.com/MH0896/MuM-s-Fit/tree/master/FeatureFiles/Screenshots>
16. [https://github.com/MH0896/MuMsFit/tree/master/app/src/test/java/com/example/maxhi\\_000/mumsfit](https://github.com/MH0896/MuMsFit/tree/master/app/src/test/java/com/example/maxhi_000/mumsfit)
17. <https://github.com/MH0896/MuMsFit/tree/master/Test-Coverage>
18. <https://github.com/MH0896/MuMsFit/blob/master/README.md>
19. [https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Crashtest%20MuMs-Fit\\_LOG.txt](https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Crashtest%20MuMs-Fit_LOG.txt)
20. [https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Installationstest%20Dokumentation\\_SmartEvent-Fabian.pdf](https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Installationstest%20Dokumentation_SmartEvent-Fabian.pdf)
21. [https://github.com/MH0896/MuM-s-Fit/blob/master/MS\\_Project/MuMs%20Fit%20Gantt.png](https://github.com/MH0896/MuM-s-Fit/blob/master/MS_Project/MuMs%20Fit%20Gantt.png)
22. <http://193.196.7.27:8080/secure/RapidBoard.jspa?rapidView=69&view=planning.nodetail&epics=visible>
23. <https://docs.google.com/spreadsheets/d/1kQruOB1dxmJBxSVBKs59UIKRMWaGrulMBfARqeUEzOY/edit#gid=0>
24. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Riskmanagement.md>
25. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Architecture%20Document.md>
26. <https://mumsfit.wordpress.com/2017/05/17/02-hw7-metrics/>
27. <https://mumsfit.wordpress.com/2017/05/16/02-hw6-patterns/>
28. <https://www.codacy.com/app/MH0896/MuMsFit/dashboard>
29. [https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP\\_WebGrafik.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP_WebGrafik.png)
30. [https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP-Architecture\\_PatternMark.png](https://github.com/MH0896/MuM-s-Fit/blob/master/Architecture/MVP-Architecture_PatternMark.png)

31. <https://github.com/MH0896/MuM-s-Fit/blob/master/Demo-Version/app-debug.apk>
  32. <https://appetize.io/app/hm7qhp0w56a5npggqhpwjeqh58?device=nexus5&scale=75&orientation=portrait&osVersion=7.0>
  33. <https://github.com/MH0896/MuMsFit/tree/master/app/src>
  34. <https://travis-ci.org/MH0896/MuMsFit/builds>
  35. <https://mumsfit.wordpress.com/2017/06/14/02-hw9-deployment-ci/>
  36. <https://github.com/MH0896/MuM-s-Fit/blob/master/Documents/Software%20Requirements%20Specification.md>
  37. [https://docs.google.com/presentation/d/1znJmcv9vcB48C64iRnnnDijt8hrNxq\\_Ebsy1hvhyxos/edit](https://docs.google.com/presentation/d/1znJmcv9vcB48C64iRnnnDijt8hrNxq_Ebsy1hvhyxos/edit)
  38. <https://docs.google.com/presentation/d/1pQ6A9-tU0HfjuR6x6TluWzr1RUZmJyBJogugjFdCcjl/edit#slide=id.p>
  39. [https://docs.google.com/document/d/1qcarnVn8Uvl-o5j78bvTCTjEdaf5\\_pVLKqbBsQWqs4k/edit](https://docs.google.com/document/d/1qcarnVn8Uvl-o5j78bvTCTjEdaf5_pVLKqbBsQWqs4k/edit)
  40. <http://test/>
  41. <https://www.blogbooker.com/>
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L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> & GNU/Linux.  
<https://www.blogbooker.com>

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