

Free version: Low quality pictures

sheeshapp.wordpress.com

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## 1. 2017

## 1.1 October

## Our Vision (2017-10-08 21:20)

Hey Smoker!

Welcome to our first blog entry. We are ManDa Software, a Team of two people: Manuel and Dawid. That's where the Company name is coming from.

Today we will shortly explain, what our goals and visions are. Take a moment to read and to understand, what SheeshApp will be for.

In our today's society, there is an App for nearly anything that you need. It's good, that there is such a big selection and you can decide by yourself, what is useful for you.

Despite this huge choice, we noticed, that there is no App for people, who like to smoke a Shisha with their friends and spend time with them in a relaxed atmosphere. That's why we decided to develop an Application, which has the following functions:

- Create your own profile with information about you and your Shisha-behavior
- Track your Shisha-activity
- Add friends to your list and look at their profile
- Notify your friends where and when you are going to smoke
- Find new interesting tobaccos
- Get achievements and play around while smoking

We hope, that we got your attention with our primary goals and that you are excited to finally install this App on your phone! Stay tuned and sheesh!

This App will be created using Android Studio and Java.

\_\_\_\_

Lars H. (2017-10-10 08:44:52)

Hi Sheeshapp-Team, In my opinion this app is a relay cool idea and your vision block post is well written and easy to understand. While reading your post I thought it sounds a little bit like you try to create another additional useless app that nobody needs. I suggest to rethink about your introduction with apps you need and don't need". Furthermore it would be interesting which technologies you are going to use. Maybe you can add a little description about how you will realize your project. Best regards Lars

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QuickFixGuy (2017-10-10 19:17:19)

Quick fix: "you hardly expect this App to come out" -> Du erwartest kaum dass die App raus kommt (ihr wolltet wohl kaum abwarten oder sehr erwarten schreiben hier steht aber das gegenteil:b)

sheeshapp (2017-10-11 11:22:12)

Hey QuickFixGuy, thank you very much for your comment! You are right and we fixed the text, so now we really say what we wanted to say :D SheeshApp

sheeshapp (2017-10-11 11:15:40)

Hey Lars, thank you very much for your comment! It was very helpful and we already re-wrote what you suggested:) SheeshApp

dhpoly (2017-10-11 09:16:05)

Hello SheeshApp-Team, while reading your first blog entry, I drew the conclusion that you came up with a funny idea there. You mentioned that it will be possible to find new and interesting tabaccos. Maybe it would be an interesting idea to add something like a beginners guide to smoking shisha. This could bring some new users to your app who didn't smoked shisha yet. Best regards, DHPoly-Team

sheeshapp (2017-10-11 11:23:20)

Hey dhpoly, thank you very much for your comment! This is a great idea and we will think about that, so also beginners can play around with our App. SheeshApp

kleopi (2017-10-11 11:12:48)

Hey SheeshApp Team, your idea seems interesting and well described. A little sidenote: On your main page the white text on the title text is hardly visible. Maybe also remove the very first blog entry which seems to be a template entry. Best regards, kleopi of the AntSimulator Team

sheeshapp (2017-10-11 11:24:48)

Hey kleopi, thank you very much for your comment! We also noticed the issue with the color and we are working on it. The first blog is now deleted, thanks! SheeshApp

Midterm | SheeshApp (2017-12-15 13:09:42)

[...] Week 1: Our Vision [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:36)

[...] Week 1: Our Vision [...]

### Week 2: Team Roles and Technologies (2017-10-15 22:41)

Dear Guest,

last week we introduced the project idea of ManDa. This week we want to define the roles of our team and the used technologies:

Team-Member Assigned roles

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#### Dawid

Project-Manager, Backend-Designer, Tester/Testing, Implementer

#### Manuel

Frondend-Designer, Scrum-Master, Tester/Testing, Implementer

## Frondend-Designer

In his work it is important to compile and bundle the complex information so that the programming code remains "slender" and does not contain too many exceptions. In the next step, the programmer then creates the appropriate software. The front-end developer is an interface between the designer and the implementer.

### **Backend-Designer**

This designer is responsible for everything, that the user can't really see. He designs the structute of the App and the interfaces to the frontend. The communication between them both is very important here.

## **Implementer**

The implementer works together with the designers and implements the ideas of them into the Application. He writes the code and will update it step-by-step.

#### Project-Manager

The project manager will take care of coordinating the project, defining priorities and ensuring that the team is focused so that quality standards don't decrease over time. Managing time, risks and resources is the key to a successful project.

#### Scrum-Master

Makes sure that the scratching processes are respected. Scrum is based on the motto "Inspect & Adapt". In addition, he brings the team agile practices and principles closer, such as pair programming, small real things. Also he motivates the team and inspires them to give constructive feedback.

## Tester/Testing

To make sure that everything works correctly, we have to write tests. This would be possible the most difficult and time-consuming part of the project because we have to implement many different kind of tests for specific use cases. And also GUI tests are "GREEN MEADOW" for the team.

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**Used Technologies** 

- Android Studio
- Scrum with Targetprocess
- GitHub
- JUnit (Component test)
- Integration-, System- and User-Acceptance Test

theexcitingcompany (2017-10-16 09:16:34)

Hello sheeshapp, I'm missing the role implementer in your blogpost, I'm guessing Frontend and Backend Designer are this role and are just miss-labeled. In RUP a designer is defined as following: "Details the analysis and design for a single set of use cases." Furthermore are you going to use a technology for testing? Best regards, Philipp

sheeshapp (2017-10-17 13:21:16)

Hello Philipp, thank you for your comment! We added the implementer because your're right, the labeling wasn't defined well. Also we added, which tests we're going to do. Thanks for your support! Sheeshapp

dhpoly (2017-10-18 09:41:18)

Hello Sheeshapp-Team, we think that your role definition is very balanced and thought over. Your short descriptions of the roles make it easier to read and understand your post. There is a little spelling mistake in the section "Tester/Tests". Your wrote "wirte" a test. Another point we aren't sure about is the word "ManDa". It was not explained in your first blogpost. Best regards, Your DHPoly-Team

sheeshapp (2017-10-18 09:58:41)

Hello dhpoly, thank you very much for your comment! We looked at your remark and corrected the mistake. We also updated the first blog, where we shortly explain the word ManDa(Manuel Dawid). Thanks for your support! SheeshApp

Midterm | SheeshApp (2017-12-15 13:09:45)

[...] Week 2: Team roles and technologies [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:38)

[...] Week 2: Team roles and technologies [...]

## Our SRS and OUCD (2017-10-22 22:11)

Hey Smoker,

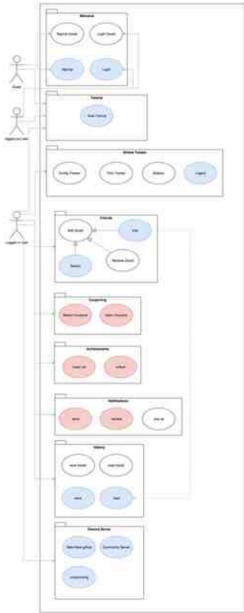
1.1. OCTOBER BlogBook

today we release our Software Requirements Specification(SRS) and Overall Use Case Diagram(OUCD). You will find them at the following links:

[1]SRS

[2]OUCD

And also right here in the blog:



Feel free to ask questions in the comment section!

## SheeshApp

NOTE: The Documents are not finished and will be updated soon!

- $1.\ \verb|https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/srs.md|$
- 2. https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/SheeshApp0UCD.svg

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\_\_\_\_

#### DigitalJournal (2017-10-23 12:45:00)

Hello Guys, nice to see your project progressing. Your SRS looks still pretty empty, you should put your use case diagram in it;) Despite that you should also use GitHub in combination with Markdown or something else to not make the user have to download a document in the first place. It also makes it easier to read. You can look at our SRS for example: https://github.com/Toaster996/softwareengineering/blob/master/documentation/d ocumentation.md Nevertheless, good work guys:) Keep it going. Best regards, DigitalJournal

sheeshapp (2017-10-24 15:34:21)

Hey DigitalJournal, thanks for your comment! We know about this issues and that's why we added the "Note" at the bottom of the blog. The documents are now linked to git, so that you can access them easier. You helped us a lot with your link, thank you! SheeshApp

FlyMusic (2017-10-24 20:55:11)

Hey SheeshApp-Team, thanks for the update. As mentioned in the comment above, you should add the use case diagram to the SRS. Besides that, you should take a look at the layout of the markdown document. It seems that you messed something up regarding the headlines. Best, FlyMusic

sheeshapp (2017-10-25 08:42:21)

Hey FlyMusic, thank you for your comment! We added our diagram to the SRS. The problem with the headlines was known to us, that's why we added the little "Note" at the bottom. This is also fixed already. Thanks for your support! SheeshApp

torom97 (2017-10-25 08:49:24)

Hi SheeshApp-Team, very nice to get an update from your side. Your SRS is very detailed and your shisha tracker screenshots give an insight in how your app is going to look. But how are you going to seperate the Test version from the Full version? Will there be advertisement? Best regards, torom97 from The Ant Simulator Project

sheeshapp (2017-10-25 09:56:50)

Hey torom97, thank you for your comment! That's a good question and we are still thinking about it, but the test Version will not have all the functions from the Full version. So for example you can only add 2 friends and you can't set the smoking time by yourself. At this moment only advertisement of shisha bars is planed if we find partners. Thanks for your support! SheeshApp

Midterm | SheeshApp (2017-12-15 13:09:48)

[...] Week 3: Our SRS and OUCD [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:40)

[...] Week 3: Our SRS and OUCD [...]

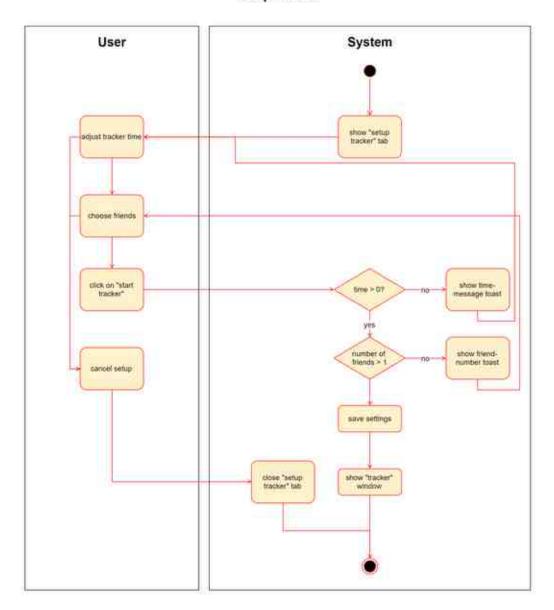
#### Use Cases: Set-up Tracker & Pop-up notifications (2017-10-29 16:48)

This week, we created use cases for the sign up process and send notifications process. By clicking on the text above the image, you get to our specification file on git.

- [1]Set-up tracker(Full UC documentation)[2]

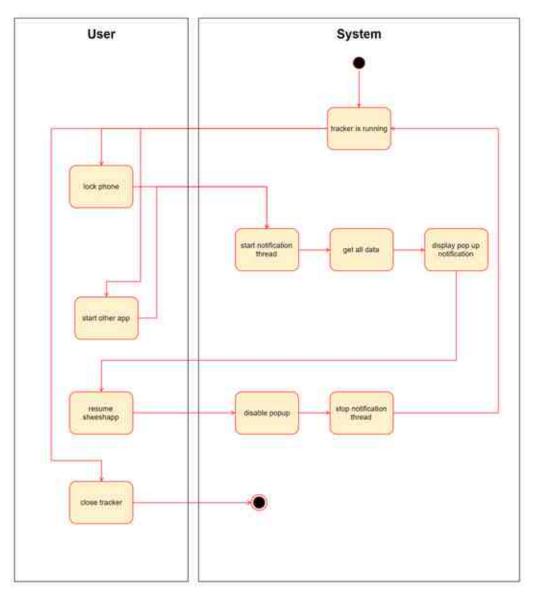
1.1. OCTOBER BlogBook

## Setup Tracker



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## PopUp Notification



heeshApp

- $1. \ https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/UC\_setupTracker.md$
- $2.\ \texttt{https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/UC\_setupTracker.svg}$
- $3.\ \verb|https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/UC\_popupNotification.md|\\$
- $4. \ https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/UC\_popupNotification.svg$

wgplanerblog (2017-11-03 10:03:50)

Hi guys, you did a good job on the use cases! But nevertheless I have some suggestions for improvement: 1. You could add Use-Case-Specifications as Markdown files to your github repository so that your followers can read something more detailed

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than your activity diagrams 2. It would be nice if you add some Mockups or Screenshots for the use cases 3. You should link your second use case to this blog entry (Something is not working properly) Keep on going! Best regards, Arne (WGPlaner team)

```
sheeshapp (2017-11-03 14:27:02)
```

Hey Arne, thanks for your support! All your mentioned points are fixed now, thank you. SheeshApp

```
sheeshapp (2017-11-03 15:17:00)
```

Hello DHPoly, thanks for your support! The user has the possibility to set it to 0 and we will show him that this isn't possbile. We will first save some things locally, until we have a server running. Then of course, we will use a database. SheeshApp

```
dhpoly (2017-11-03 16:26:43)
```

Hello SheeshApp-Team, your diagrams look very complex, but yet they are well structured and sophisticated. Anyways we have some questions: The first one is regarding your "send notifications" Use-Case: When you set the timer to 0, there will be a message once you press start. Would it not be easier to just not let the user be be able to select a 0 there? And you save the profiles (name, mail, password). Do you have a database for that? Will you save the passwords as they are or will you use some kind of security measures? Additionaly – you also save the notifications history. Will that be also saved in your data base or will you use some kind of dynamic word sheet for that purpose? Best regards, DHPoly-Team

```
sheeshapp (2017-11-03 16:26:58)
```

Hello DHPoly, thanks for your support! The user has the possibility to set it to 0 and we will show him that this isn't possbile. We will first save some things locally, until we have a server running. Then of course, we will use a database. SheeshApp

```
Midterm | SheeshApp (2017-12-15 13:09:51)

[...] Week4: Use Cases [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:41)

[...] Week4: Use Cases [...]
```

## 1.2 November

#### Scrumming (2017-11-05 20:18)

Hey Smoker!

Today we will show you our Scrumboard and some extra details. We work with [1]Targetprocess, because there it is easy to define Sprints, Use Cases, Tasks and more. Also you can get the generated "Burndown Chart" and assign work to your co-workers.

You can find our [2]Scrumboard and [3]Burndown Chart by simply clicking on the links. Please comment this entry, if you have any suggestions!

#### SheeshApp

- 1. https://www.targetprocess.com/
- 2. https://tauboard.com/v/7f40d07ec16606fd35a112cc08d5ca56
- 3. https://dhbwse.tpondemand.com/vizydrop/shared/drop/5a01fd11b4bdfb001552aeef?authkey=03353a7245765001b304

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sgfaweb (2017-11-08 09:34:33)

Hi Sheesh App, This sounds really nice! How long will your average sprint be? And will your scrumboard automatically be updated? Thanks for the information. Your SGFA Team

sheeshapp (2017-11-08 09:43:39)

Hello SGFA Team, thanks for your comment! We will start with one week per sprint and then, when we have some more experience, we will increase to two weeks. This link to the scrumboard is linked to our account and therefore it will be updated automatically. Thanks for the support! SheeshApp

kleopi (2017-11-08 09:54:39)

Hey Team, Your Scrumboard looks nice, is set up to display hours and your first sprint is started already. I think you guys matched all the criteria:) Keep up the work! Cheers, kleopi of The AntSimulator Project

sheeshapp (2017-11-08 10:10:27)

Hello kleopi, thanks for your comment, we are happy to hear something like this:) SheeshApp

Midterm | SheeshApp (2017-12-15 13:09:54) [...] Week 5: Scrumming [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:43)

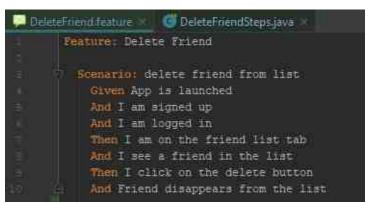
[...] Week 5: Scrumming [...]

## Feature Files (2017-11-12 09:26)

Hello Smoker!

Today you will see our .feature files, which were created with Cucumber. You can look at the addFriend([1]png or [2]feature) and deleteFriend([3]png or [4]feature).

We also have a proof, that we linked it to our IDE:



(no marked text because the steps are defined)

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## SheeshApp

- 1. https://raw.githubusercontent.com/FamilyLocke/sheeshApp/master/documentation/AddFriend.png
- 2. https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/addFriend.feature
- 3. https://raw.githubusercontent.com/FamilyLocke/sheeshApp/master/documentation/DeleteFriend.png
- 4. https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/deleteFriend.feature

kleopi (2017-11-15 09:42:49)

Hey Team, unfortunately i can not find the Link working (It is only marked as Link, however it seems not to have a target) This should be fixed ASAP. I unfortunately can not rate your work that way: / Cheers, kleopi of The AntSimulator Project

sheeshapp (2017-11-15 10:29:13)

Hey kleopi, the link was broken.. Everything should be fixed now. SheeshApp

Andre M. (2017-11-15 10:34:24)

Hey guys, thanks for keeping us updated. You might want to add links to your actual .feature files instead of just the links. Links to your use cases would be appreciated as well:-) The SignUp feature file is a bit short. You can other scenarios like a successful signup, etc. The other one looks fine to me. Some references to Gherkin feature files and cucumber would help those who have never heard of it. Kind regards, Andre

sheeshapp (2017-11-15 11:05:46)

Hello Andre, thanks for your comment! We added links to our feature files. The SignUp already has 3 scenarios, maybe you just overlooked it. Thank you for your support! SheeshApp

Midterm | SheeshApp (2017-12-15 13:09:57)

[...] Week 6: Feature files [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:44)

[...] Week 6: Feature files [...]

## Class Diagram (2017-11-19 09:34)

Hello Smoker,

today we will show you our class diagram! You can find it [1]here or directly here in this blog:

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The Diagram was generated with intelliJ. We imported the code from Android Studio because there we don't have this option.

Leave a comment below!

## SheeshApp

 $1. \ https://raw.githubusercontent.com/FamilyLocke/sheeshApp/master/documentation/Classes.png$ 

torom97 (2017-11-22 10:16:15)

Hey Sheeshapp, great to be up to date once again. ;) Your class diagram looks pretty, simple and structured :) I wondered if there aren't any other classes or methods you missed out, like the timer for example, or are your events contained in all your

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activities:) ? Will the picture in the blogpost update itself if you change the png-file you linked above, or will you do it manually ? Thanks in advance Torom97 from TASP;)

```
sheeshapp (2017-11-22 10:19:06)
```

Hello Torom97, thanks for your comment! The class diagram, of course, is from our actual version and therefore we have only classes and methods in the diagram, which are implemented to this point. Nothing is missing here, beacause the app is not finished yet and so is the diagram. It will update automatically from git:) SheeshApp

dhpoly (2017-11-22 10:25:08)

Hello SheeshApp-Team, we are happy to see your weekly blog post. :) We were very surprised by your class diagram. You should link your diagram to Github, so it gets updated automatically and you could create a link so that we can see your diagram on Github aswell. Additionally, according to the grading criteria, your diagram must conform the UML standard, and therefore arrows and lines to make the diagram better understandable, are missing. Best regards, DHPoly-Team

sheeshapp (2017-11-22 10:30:55)

Hello dhpoly, thanks for your comment! I don't understand your problem with git, because it is linked there to our repository.. The arrows are not missing, they are just not here beacuse the classes have no dependencies to each other, so no arrows are needed. The Classes do not inherit until now, they stand for Activitys in Android and are linked to .xml layouts. In a later version, there will be arrows and more classes, but as you can read in my first comment, we're of course not finished yet with the application. SheeshApp

Midterm | SheeshApp (2017-12-15 13:10:00) [...] Week 7: Class diagram [...] Week 21 - Final | SheeshApp (2018-07-01 23:23:46) [...] Week 7: Class diagram [...]

## Architecture (2017-11-26 22:16)

#### Hello Smoker!

This week, we worked on our Class Diagram and [1]Software architecture document.

Since we use Android Studio, our MVC is self-descriptive and you already know how it works.

We couldn't generate the Class Diagram in our IDE, so we put the classes to IntelliJ and made it there. You can find it on [2]git (as svg in better resolution) or below:

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You can also take a look at our demo [3]here.

Leave a comment and stay tuned!

## SheeshApp

 $1. \ \texttt{https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/rup\_sheeshapp.md}$ 

 $2.\ \texttt{https://github.com/FamilyLocke/sheeshApp/blob/master/documentation/Classes.svg}$ 

 $3. \ \texttt{https://github.com/FamilyLocke/sheeshApp/blob/master/demo/demoSheeshapp.md} \\$ 

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NAP-Team (2017-11-29 00:22:19)

Hello SheeshApp-Team, we are glad that you are keeping us updated about your project. As you have already mentioned, MVC is inherent to android projects, so both your diagram and you class structure are looking good. Unfortunately, there is no link to your Software Architecture Document, and we also could not find it in your GitHub. Please include this link into your blog post as soon as the document is finished. This does also mean that we could not give feedback on your Software Architecture Document. Finally, a demo of your app is missing entirely. Best Regards, the NAP-Team.

sheeshapp (2017-11-29 10:31:32)

Hello NAP, thanks for your comment! All links are added now, have fun with it. Sheeshapp

Robin (2017-11-29 09:37:52)

Hello SheeshApp-Team, In my opinion, it is not as self descriptive as you said. I only see Views in your UML diagramm and no controller, so i would assume, that you also use your view as controller and model, what does not fit the MVC requirements. Please correct me if I'm wrong, but if i am not, you should probably think about refactoring your app to fit the MVC requirements. Also a link to yout git repository and to the SAD would be nice. Greetings, Chessmate-Team

sheeshapp (2017-11-29 11:23:46)

Hello Chessmates, thanks for your comment! We added the links to our repository. Also we marked models, controllers and views on the picture. We of course not finished yet and will refactor the Code soon. Thanks for your support! SheeshApp

Midterm | SheeshApp (2017-12-15 13:10:03)
[...] Week 8: architecture [...]
Week 21 - Final | SheeshApp (2018-07-01 23:23:47)

[...] Week 8: architecture [...]

## 1.3 December

## Week 9 - Gantt Chart (2017-12-05 18:40)

This week we tried to create a Gantt-Chart with our project-management tool TargetProcess.

After a long research, we had to accept that our tool unfortunately does not support the required function Gantt-Chart. To solve this problem we tried to create a workaround. So we decided to create a [1]timeline which displays the RUP Workflow at the horizontal, but this wasn't the solution of the problem. Alternative we have this task cumulative flow chart for you [2]TCF

If you search for something special relating to targetprocess on the internet you won't find something. But there will be a live-chat meeting with a technical person from targetprocess, we keep you up to date.

We will update and fix our timeline and replace this with the Gantt-Chart as soon as targetprocess support it.

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- 1. https://tauboard.com/v/94c12e193b480ee2c2bd026b365b8b24
- 2. https://dhbwse.tpondemand.com/vizydrop/shared/drop/5a2689b363ff8300144a7476?authkey=d00f74af1f95ff7e4ea1

NAP-Team (2017-12-05 22:06:52)

Hello SheeshApp-Team, thank you for the update on your progress! I have to agree with you that it is unfortunate that TargetProcess does not support the creation of Gantt Charts. It is good that you tried to create a workaround, and we hope to see a proper Chart after your live-chat with TargetProcess. Your TCF should be categorized by the discipline of the task (the corresponding RUP-Role) instead of the state. It is more useful to know how much time was spent on each discipline than to know how many tasks were open/in progress/done at a given time. Best Regards, the NAP-Team

sheeshapp (2017-12-06 09:35:03)

Hello NAP-Team, we know that it would be better, if the task were categorized by the RUP-Role, but it is not possible with target process. We did the best we could. Thanks for your support, SheeshApp

dhpoly (2017-12-06 00:51:59)

Hi SheeshApp-Team, as already said multiple times it is a pity that your tool is not capable of creating a Gantt chart. We support your workaround idea, although your timeline "Gantt Chart" is lacking a lot of information. We agree with the NAP-Team, that you should try to insert the time used on a discipline in your TCF. That would give more/better usable data, since we do not know how much time every single task took. But all in all we hope that your live-chat with the technical support will improve your diagrams or will help you create a real Gantt chart. Keep up the good work! Best regards, DHPoly-Team

sheeshapp (2017-12-06 09:38:32)

Hello DHPoly-Team, we tried the best but we can't show you more than that. Also read our reply on NAP-Team's comment. Thanks for your support, SheeshApp

Midterm | SheeshApp (2017-12-15 13:10:06)

[...] Week 9: Gantt chart [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:49)

[...] Week 9: Gantt chart [...]

#### Midterm (2017-12-15 12:09)

Hey Smoker!

Welcome to our last blog post for this semester.

In the following list you can go to every updated post and follow our developement once again:

- [1]Week 1: Our Vision
- [2]Week 2: Team roles and technologies
- [3]Week 3: Our SRS and OUCD
- [4]Week4: Use Cases

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- [5]Week 5: Scrumming
- [6]Week 6: Feature files
- [7]Week 7: Class diagram
- [8]Week 8: architecture
- [9]Week 9: Gantt chart
- [10]Week 10: Cucumber running

Our links to [11]git, [12]targetprocess and [13]presentation.

Merry Christmas and have fun with your SHISHA!!!

```
1. https://sheeshapp.wordpress.com/2017/10/08/our-vision/
2. https://sheeshapp.wordpress.com/2017/10/15/week-2-team-roles-and-technologies/
3. https://sheeshapp.wordpress.com/2017/10/22/our-srs-and-oucd/
4. https://sheeshapp.wordpress.com/2017/10/29/week-4/
5. https://sheeshapp.wordpress.com/2017/11/05/scrumming/
6. https://sheeshapp.wordpress.com/2017/11/12/feature-files/
7. https://sheeshapp.wordpress.com/2017/11/19/class-diagram/
8. https://sheeshapp.wordpress.com/2017/11/26/architecture/
9. https://sheeshapp.wordpress.com/2017/12/05/week-9-gantt-chart/
10. https://sheeshapp.wordpress.com/2017/12/15/week-10-cucumber-running/
11. https://github.com/FamilyLocke/sheeshApp
12. https://tauboard.com/v/5a908709704df7f0bd90ed3afb213ff5
13. https://github.com/FamilyLocke/sheeshApp/blob/master/SheeshApp.pptx

Week 21 - Final | SheeshApp (2018-07-01 23:23:52)
```

## Week 10 - Cucumber running (2017-12-15 13:07)

Hello guys,

[...] Midterm [...]

at this week, we have a challenging task: Improve our UI-testing with Cucumber as automation testing framework and gherkin feature files in combination with Espresso as Android Test.

**UI TEST** 

You can find our UI Test just by clicking at this link [1]here

Our first feature file is AddFriend.feature and describes the UC of viewing and happening while you try to add

BlogBook 1.3. DECEMBER

a new friend.

```
AddFriend feature
      Feature: Add Friend
        Scenario: add friend to list
          Given App is launched
          And I am signed up
          And I am logged in
          Then I start AddFriendActivity
          And I click the FAB
          Then I see friend in list at MainActivity
        Scenario: friend cant be added twice
          Given App is launched
          And I am signed up
          And I am logged in
          Then I start AddFriendActivity
          And I insert a name into text field
          And I click the FAB
          Then I see friend in list at MainActivity
          Then I start AddFriendActivity
          And I insert a name into text field
          And I click the FAB
          Then text field is deleted
          And I stay in the AddFriendActivity
```

Here is a little snippet of the AddFriendActivityFriends test [2]class:

1.3. DECEMBER BlogBook

```
public Void app launched() (
   Context appContext = InstrumentationRegistry.getTargetContext();
   essertEquals( especial "de.dhVarlaruhe.is.aheeshapp.aheeshapp", appContext.getPackageName());
@And( OI am migned up$ )
public word signing in() [
   ViewInteraction appCompatButton = onView(
            allof(withId(R.id.btn%=1SignUp), withText( SignUp"),
                    childAtFosition(
                            childAtPosition(
                                    withId(android.R.id.content),
   appCompatButton.perform(click()):
   ViewInteraction appCompatEditText = onView(
            allOf(withId(R.id.=dTUsername),
                    childAtPosition(
                            childAtPosition(
                                    withId(android.R.id.content),
                    isDisplayed()));
   appCompatEditText.perform(click());
```

If you have any questions feel free to comment.

Best regards,

sheeshapp

- $1. \ \ \, https://github.com/FamilyLocke/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/tree/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshApp/src/androidSe/dhkarlsruhe/it/sheeshApp/src/androidSe/dhkarlsruhe/it/sheeshApp/src/androidSe/dhkarlsruhe/it/sheeshApp/src/androidSe/dhkarlsruhe/it/shees$
- $2. \ https://github.com/FamilyLocke/sheeshApp/blob/master/code/app/src/androidTest/java/de/dhkarlsruhe/it/sheeshapp/test/AddFriendActivitySteps.java$

```
Midterm | SheeshApp (2017-12-15 13:10:09)
[...] Week 10: Cucumber running [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:51)
[...] Week 10: Cucumber running [...]
```

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24

## 2. 2018

## 2.1 April

## Week 11: Second Semester (2018-04-13 09:44)

## Hey Smokers!

Welcome back to our blog after the break. In this semester, we have some news to announce.

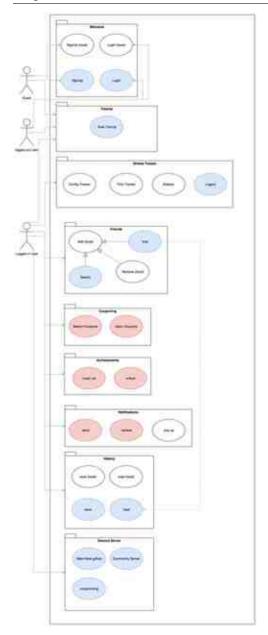
## Team changes

Unfortunately, Manuel had to leave our Team and therefore a new member joined: Alexander Grundmann. Together we will reach our goals and keep on going with SheeshApp!

#### Scope

We made some changes in the Scope, because otherwise we won't manage all of the tasks. Deleted Use Cases are colored red now, wich you can see in the following picture.

BlogBook 2.1. APRIL



The new Case "Discord Server" will help us to build up a Community.

## **New Technology**

- Tomcat
- Spring
- Ubuntu Server (DHBW)
- Discord
- MySQL

All of these are needed to implement new online functionalities into SheeshApp. We will deliver more information

2.1. APRIL BlogBook

soon.

Stay tuned!

SheehsApp

dhpoly (2018-04-15 23:55:03)

Hi guys, first of all - our apologies to your loss. Second of all: We think your adjustments are a good idea. In our opinion the deleted use cases will not lower your product's quality! :) We also believe, that adding and using discord is a very smart move. The software is in a very good state right now and perfectly designed for building up and managing communities. Good luck with your new member configuration! :) Best regards, DHPoly-Team

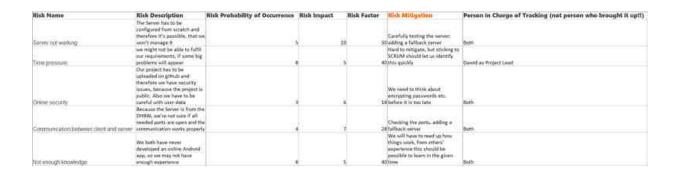
Week 21 - Final | SheeshApp (2018-07-01 23:23:54) [...] Week 11: Second Semester [...]

## Week 12: For risks and side-effects... (2018-04-15 22:43)

...please read the pack insert and ask your doctor or pharmacist.

Hey Smokers!

Today we talk about risks.



Risks can ruin projects, so it is important to keep track of possible risks and find ways to mitigate them. For this reason we created an easy-to-update Excel-Sheet. The sheet's risk factor shows how severe the risk is and is calculated from the probability of occurrence and its impact.

In the long run this hopefully helps us prevent critical issues.

If you think we might have forgotten an important risk, feel free to tell us in the comments!

#### **UC-Spent hours**

BlogBook 2.1. APRIL

This is our table for the hours we spent on Use-Cases:

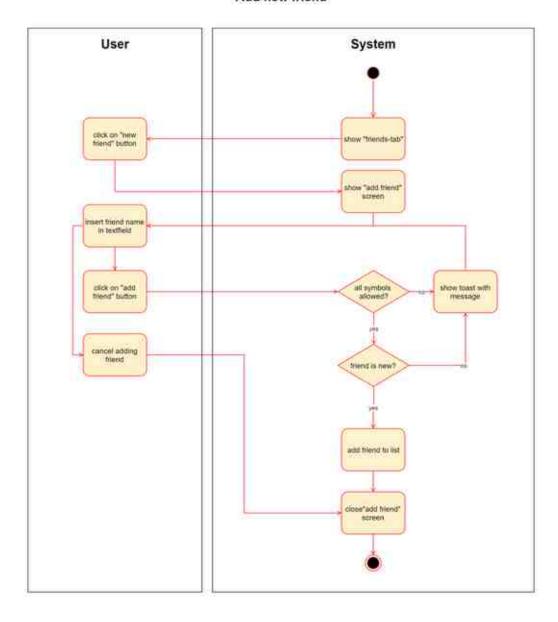
UC	Documentation	Coding	Testing	Warm-Up time (hours spend going in loops and learning)	Total	FP
Welcome Screen	2	9	1	0	12	
Sign Up	3	12	1	11	27	
Friends	1	4	1	0	6	
History	2	7	1	1	11	
Notifications	1	3	0	1	5	
Tracker	1	3	1	0	5	
Log Out	0	1	0	0	1	
Login	0	2	0	0	2	
Blog	12	0	0	0	12	
Multilanguage	0	3	1	2	6	
Refactoring	0	18	0	2	20	

## New UCs

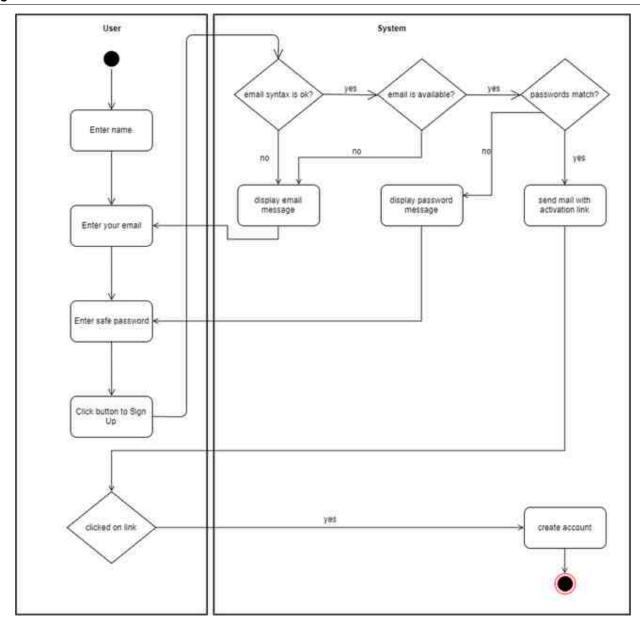
This are some of our new UCs:

2.1. APRIL BlogBook

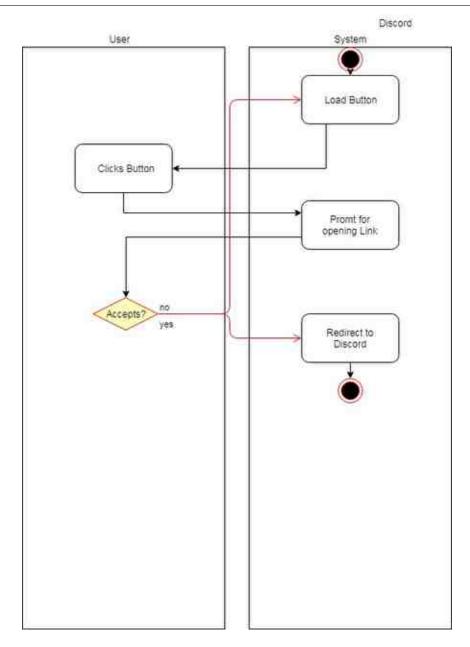
## Add new friend



BlogBook 2.1. APRIL



2.1. APRIL BlogBook



## SheeshApp

## dhpoly (2018-04-15 23:56:20)

Hi guys, our doctor said, smoking was not good for your health! :O Anyways, it is very important to keep track of your risks, as you already mentioned. So good job on getting that assignment done! Tho it would be nice to have a bigger picture or a link to your repository with the original excel file, because the way it is now we can hardly see/judge ur risks. :( Best regards, DHPoly-Team

BlogBook 2.1. APRIL

sheeshapp (2018-04-16 08:39:23)

Hey dhpoly, thanks for your comment, we will do our best to make the right changes. SheeshApp

theexcitingcompany (2018-04-16 08:00:51)

Hello guys, just wanted to give you a heads up that you are missing the UC time spent report listing how much time you needed for every UC you have done already. Did you document any new use cases which you could also add to this post? Kind regards, Philipp

sheeshapp (2018-04-16 08:40:08)

Hey Phillip, thanks for your comment! We added our time report and some new UCs. SheeshApp

WEEK 14: UNIT TESTING | SheeshApp (2018-05-04 09:13:34)

[...] also got the first server connection working which seems to avoid previously mentioned Risks pretty [...]

Week 21 - Final | SheeshApp (2018-07-01 23:23:56) [...] Week 12: Risks [...]

## Week 13: Function Points (2018-04-22 23:06)

#### Hello Smoker!

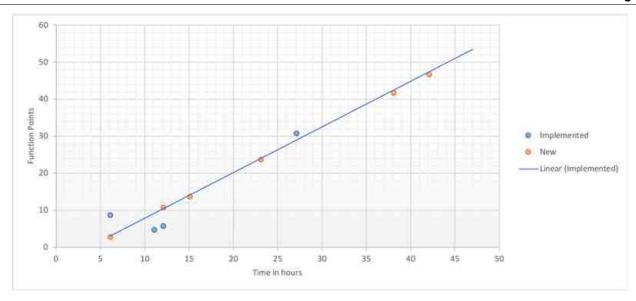
In the following part, you will learn something about our Function Points for some Use Cases. But first, what are these Points? Well, in the class we learned, that:

"FP are a way of putting a numeric value on a UC after specifying it and before starting to implement it. The numeric value in combination with your time estimates from the past, should allow you to estimate the time that you will need."

So big Use Cases should have more Function Points than small ones.

With this [1]Tool, we were able to calculate our Points for the old Use Cases and also estimate for some new ones, which you can see in this Picture:

2.1. APRIL BlogBook



You can find the Excel-Data [2]here.

Feel free to comment!

## SheeshApp

- 1. http://groups.umd.umich.edu/cis/course.des/cis525/js/f00/harvey/FP\_Calc.html
- $2. \ https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC\%20time\%20spent.xlsx$

#### dhpoly (2018-04-23 01:11:56)

Hi guys, always a pleasure to see a new blog entry from you. :) We think your diagram looks good. Is there any way, to see the original diagram file? (we assume, you created your diagram with a tool) Furthermore, would it be possible, to link the original file from your repository in here? In your description about, what function points are, there is said that function points are values, which are put in use cases after you specify them and before you implement them. In your diagram there are a number of use cases shown, which are already implemented. We think that is kind of controversy. But we are sure there is a reason for that! :) Keep it up! Best regards, DHPoly-Team

### sheeshapp (2018-04-23 08:41:41)

Hey DHPoly, thanks for your comment! The original data is now linked to our github, where you can find it easily. Of course we already implemented some Use Cases, because we did it in the last semester. Therefore we have some finished Tasks before we calculated the Function Points. SheeshApp

## theexcitingcompany (2018-04-23 07:53:52)

Hello Sheeshapp, For me it looks like you misundestood how to use function points. In your diagram you are showing the blue dots with the already implemented and the blue line which is like the average. But the orange dots which are not already implemented are not on the blue line. The blue line is designed to be used as a prediction for how long it will take you to finish this use case, based on the function points you calculated for the new uc. So the orange dots should be on the blue line. Kind regards, Philipp

BlogBook 2.2. MAY

sheeshapp (2018-04-23 08:43:17)

Hello Phillip, thank you for your comment! Yes your right, we had some problems there.. So now the estimated time for our new Use Cases is correct and the new Diagram is uploaded. SheeshApp

Week 21 – Final | SheeshApp (2018-07-01 23:23:58) [...] Week 13: Function Points [...]

## 2.2 May

WEEK 14: UNIT TESTING (2018-05-03 10:56)

Hello Smokers,

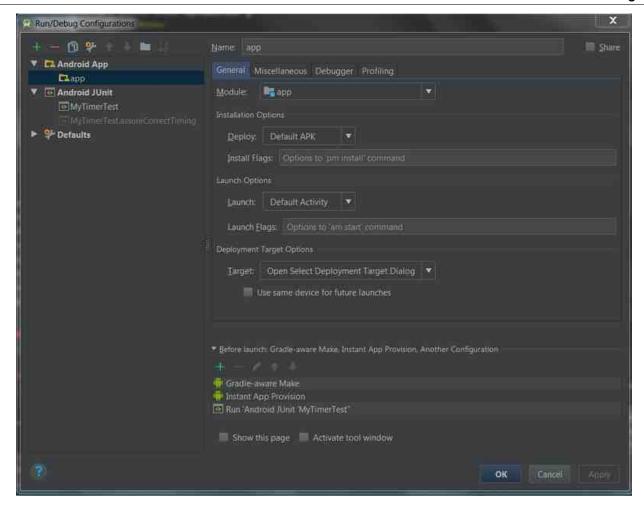
this week we have some news to report.

**Unit Testing:** 

Info: Links to the files found in the corresponding section below.

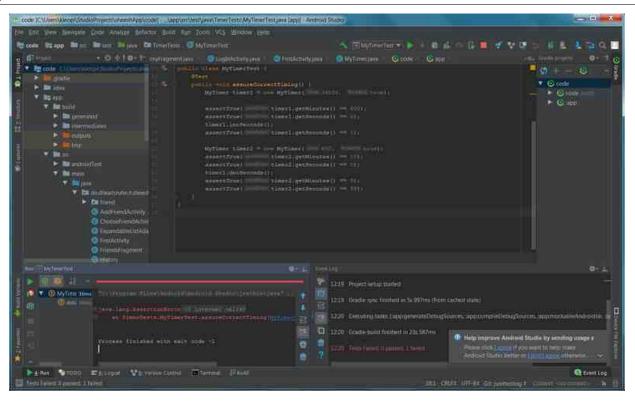
While we are currently trying to get some refactoring done, we realized that code often gets messed up when performing code changes. [1]Unit testing offers a nice way of preventing future code-errors and sometimes also shows up already implemented faulty behaviour, that was expected to be working properly. For this reason we added JUnit as build dependency to our Gradle project, so we immediately know our mistakes when building. The process turned out to be harder than expected, as we still got our Espresso-test-setup interfering. That small problem was fixed in the end, by separating JUnit from live-testing (which makes more sense anyways). Automatic Gradle Test Integration:

2.2. MAY BlogBook



While writing test-cases blind (writing the tests without really knowing the code as I just entered the team, basically just writing tests for the behavior I expect solely from the method structure) actually turned out to be quite useful as some tests immediately failed, showing some need for future refactoring (Here the test indicates that the Timer we use for the Smoking Countdown is not working properly or is poorly documented):

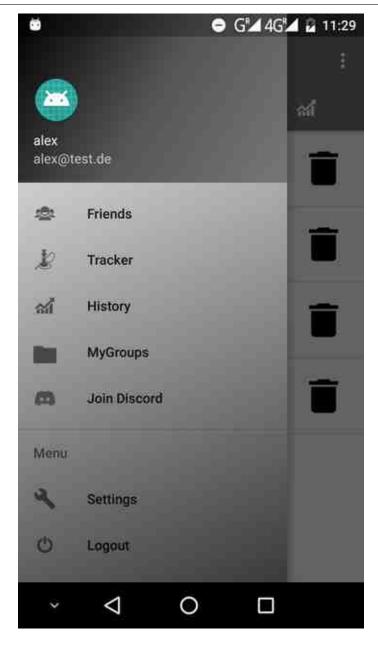
BlogBook 2.2. MAY



Upon further research, it seems that Android Studio also offers ways to [2]display the code coverage by tests, definitely a feature we are going to add in the near future! Now we only need to make sure to continue the testing process and add new test cases to the program, ideally via test-driven development.

Other features:

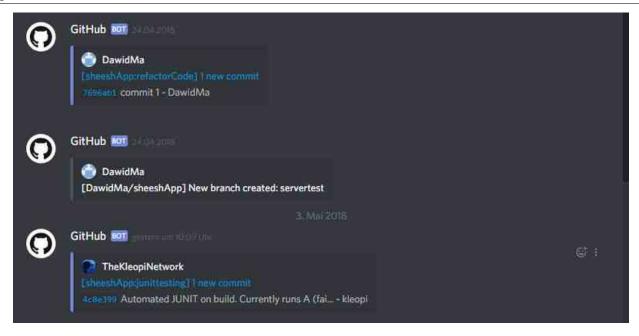
In the meantime Dawid spent some time on smaller features like the Discord invitation-button inside the app menu.



He also got the first server connection working which seems to avoid previously mentioned [3]Risks pretty well.

Additionally we took over [4]Discord's useful Webhook Feature my former team was using intensively in TASP. So we now also get informed about new commits automatically. Definitely a Nice-To-Have! In the following screenshot you can also see that we quickly adapted the branching technique to prevent mistakes and work independently. This means we are finally done setting up the new team.

BlogBook 2.2. MAY



#### Links:

[5]Example Unittest-File for our Timer (github)

[6]Gradle Build file with JUnit integration (github)

[7]RUP TestPlan (github)

#### TL;DR:

Added UnitTests to test our code. Added discord invitation button and webhook to github. We also had first success with the server connection.

Feel free to to leave a comment!

## Sheeshapp

- 1. https://en.wikipedia.org/wiki/Unit\_testing
- $2.\ \mathtt{https://medium.com/android-testing-daily/code-coverage-dc1e3d0c70}$
- 3. https://sheeshapp.wordpress.com/2018/04/15/week-12-for-risks-and-side-effects/
- 4. https://support.discordapp.com/hc/en-us/articles/228383668-Intro-to-Webhooks?page=2
- $5.\ https://github.com/DawidMa/sheeshApp/blob/junittesting/code/app/src/test/java/TimerTests/MyTimerTest.java/timerTest.java$
- 6. https://github.com/DawidMa/sheeshApp/blob/junittesting/code/app/build.gradle
- 7. https://github.com/DawidMa/sheeshApp/blob/master/documentation/Test%20Plan.pdf

#### sgfaweb (2018-05-04 09:32:10)

Dear Sheeshapp, nice to hear from you again! Although I like your Blogpost, I have been a little bit worried where to find your links. Due to the longer text in the beginning I expected to find them embedded there. I like how you described Unit Tests, but I would have loved to hear more about your actual test case / get an explanation on it. Other than that your test plan looks ok, even though I think you should upload it as Markdown or PDF, but not as word file. Nevertheless, keep on the good work. Best regards, SGFA CCD (Customer Care Department)

sheeshapp (2018-05-04 12:39:27)

Hello SGFA, thanks for your comment! We will try to fix all your proposals. SheeshApp

dhpoly (2018-05-04 12:52:49)

Hi guys, we are happy to hear that you seem to do good work in your new Team constellation. :) We also think the fact, that you finally have a proper running Server Connection, is a great step! Testing is a very important tool when it Comes to big Projects, such as yours. Your testing setup looks promising and so does your test plan. We have only one question referring that. In there it is stated, that there are no Motivators for testing. If that is the case - why are you testing at all? Additionally we think it might be nice to add your references in there, such as your blog, repository, etc. Best regards, DHPoly-Team

kleopi (2018-05-04 13:13:14)

Hey folks, the motivations for testing are explained multiple times in the document, repeating them over and over seemed not very helpful to me and quite redundant. The references should be added tho, no idea how I could miss those obvious references. Thanks a lot for your comment. The references will be part of the next sprint:) Cheers, SheeshApp

playchessmate (2018-05-04 12:59:47)

Hi sheeshapp team, it's great to hear from you again! I like too see that you have included screenshots of your testing environment with Android Studio as well as your grdale test configuration. One thing you could add is a test coverage badge to your RUP test plan document or readme file when you dig deeper into that topic. Keep up the good work! Cheers, Pascal - chessmate team

sheeshapp (2018-05-04 13:05:05)

Hey Pascal, thanks for your comment! We will add this badge ASAP! SheeshApp

Robin (2018-05-04 13:00:04)

Hey Guys, Your blog post looks really good. If i have not missed anything, you included all necessarities that are described in the grading criteria. I also like, that you reffered to psat blog posts. Also it is really nice, that you added your links at a central position, but in my opinion, it would be better to also refer to the links where they are needed, because I missed them on the first readthrough. Besides that, your post is really well structured. Kepp up the good work, I am looking forward to future blog posts. Best regards, Chessmate-Team

sheeshapp (2018-05-04 13:08:29)

Hey Robin, thanks for your comment! It's nice to read your opinion and we will paste the links earlier in the next blog entry. SheeshApp

Week 21 - Final | SheeshApp (2018-07-01 23:23:59) [...] Week 14: Unit testing [...]

## Week 15: Refactoring (2018-05-12 08:12)

Hello Smoker!

BlogBook 2.2. MAY

This week, we worked on a refactoring task. Our commits are below:

[1]Alex

[2]Dawid

Many of this was done using the IDE itself. See the following picture for a really helpful refactoring-feature of our IDE: IntelliJ

```
Movie movie = new Movie( newtitle: "test", newpriceCode: 30);

Renta test Rented: 5);

movie

@Test press fr6 to show dialog with more options

public void testkenta movie() t

assertEquals(rental.getMovie().getTitle(), actual: "test");

}
```

Thanks for all your comments so far:)

SheeshApp

- 1. https://github.com/TheKleopiNetwork/refactoring/commits/master
- 2. https://github.com/DawidMa/myhomework/commits/master

FlyMusic (2018-05-14 08:49:30)

Hi SheeshApp Team, thanks for your blog post. Your repository looks nice and you have done some commits to improve the code style. But it would be nice to know the refactoring strategy that you have used for each commit. Also, it seems that some of your team members did not wrote some tests which would be very helpful to make sure that the refactoring has not broke the code. Some words on the IDE you have used and the benefits it gives to you would be nice, too. Best, FlyMusic

kleopi (2018-05-14 09:30:28)

Hey flymusic, it is indeed correct that I (Alex) forgot to do tests first, which is a horrible thing when I think about it afterwards. I managed to keep the correctness anyways, so I'll add some tests. Better late than never, right? IDE-features will be added. Thanks for your comment:)

dhpoly (2018-05-14 08:49:57)

Hi guys, we are happy to see you also turned to refactoring code. Since keeping your code clean and "good" this will have a huge impact on your project's quality. Unfortunately we can not find any tests in Alex' repository. Are we missing something or are you? If the second is the case, you should add that. Best regards, DHPoly-Team

```
dhpoly (2018-05-14 08:54:20)
```

Hi guys, sorry for bothering you again. We just realized, you did not say anything about your IDE and whether there are certain features your IDE offers. Would be nice to have that added. Best regards, DHPoly-Team

```
kleopi (2018-05-14 09:31:40)
```

Hey dhpoly, the second is the case unfortunately: (Tests and some IDE features will be added:)

NAP-Team (2018-05-14 08:53:03)

Hello Sheeshapp-Team, nice to see your work on refactoring. You both have several commits, that seem to make the code better. Unfortunately we did not find your description. Also Alex does not seem to have any tests, which would be useful for refactoring. Kind regards, the NAP-Team

```
NAP-Team (2018-05-14 08:53:57)
```

your description for a usefull function in your IDE. Sorry:D

```
kleopi (2018-05-14 09:34:01)
```

Hey NAP, I unfortunately totally overlooked the testing aspect :( However I'll add missing tests to the project and an IDE-feature example will be added :)

```
Week 21 - Final | SheeshApp (2018-07-01 23:24:01) [...] Week 15: Refactoring [...]
```

## Design Patterns (2018-05-27 23:30)

Hello Smokers,

this week we looked into design patterns and where we can use them. We also got new functionality to show off.

Why use design patterns?

Software Design Patterns are very useful in various situations. They improve readability of code and simplify the behaviour for the coder. Also some get rid of common mistakes involving data-validation. That's why we were using several design patterns straight from the beginning.

One example is the event driven development, which packs anything that happens into events. If you for example call a new view in our App then several events are sent automatically, handled by our framework. Even the it works great and reduces a lot of problems, we did not implement this ourselves.

To still get some practice in using patterns we searched for pieces of code where a design pattern could make future work less complicated.

BlogBook 2.2. MAY

```
public Class UserSearchObject {
    private String name;
    private String email;

public UserSearchObject(String name, String email) {
        this.name = name;
        this.email = email;
    }

public String getName() // return name;
}

public String getEmail() // return email;
}
```

This is our class that handles Users when adding them as friends.

We use a simple constructor taking some necessary parameters and immediately save them into our objects. Even though we think the parameters are transferred properly, if they aren't, they are never verified. This may be an issue in the future which can be simplified by using the Fluent Interface. This makes sure that all fields are set separately and can also provide default values if they are never called.

Our end result looks like this:

```
public(class UserSearchObject {
    private String name;
    private String email;

publid UserSearchObject() {
        name="invalid";
        email="invalid";
}

public UserSearchObject withName(String name) {
        this.name=name;
        return this;
}

public UserSearchObject withEmail(String email) {
        this.email=email;
        return this;
}

public UserSearchObject(String name, String email) {
        new UserSearchObject().withName(name).withEmail(email);
}
```

We still include our old constructor to be backwards compatible (even though the IDE shows that we are never calling this constructor anymore; but who knows, what's happening on other development branches?). The new Interface allows the creation of users by chaining setter methods together. These setters currently are not verifying data either but it is way easier to implement a global EmailVerificator which is then called only by this method. This should make

verifying data way easier in the future.

The source can be found on [1]GitHub.

However we realized that more patterns probably won't help us write cleaner code, so we left it with this example. We already use most patterns that help us a lot, adding in more may actually hurt development in the long run.

#### New features:

While we are testing new patterns in the background we also have to push the main development forward. This mainly includes shifting the app into online-mode.

For this Dawid added a FileManagement possibility which is able to work with any files. Main use for now will be the user avatar which therefore also supports .gifs! Also the search abilities were expanded to get auto-complete recommendations when starting to type a friends name.

Leave a comment to ... well comment!

#### SheeshApp

 $1. \ https://github.com/DawidMa/sheeshApp/blob/eventhandling/code/app/src/main/java/de/dhkarlsruhe/it/sheeshapp/sheeshapp/myAutoComplete/UserSearchObject.java$ 

\_\_\_\_

#### dhpoly (2018-05-28 03:44:18)

Hi guys, we are happy to see your enormous progress. We have actually already been able to see/test your new features - and we can say that they work very well! :D We appreciate it, that you included an example for showcase in your blog entry. Tho we are missing a class diagram with one of your (or all of them) used patterns highlighted. If it missing is the case it would be nice if you added that. :) Best regards, DHPoly-Team

#### kleopi (2018-05-28 10:01:43)

Hey dhpoly, I'm glad to hear the features are working for you:) The class diagram will come with a future update, it did not change much but we have to merge our branches first and test if it is working properly. Thanks for your comment:)

#### Robin (2018-05-28 09:48:43)

Hey SheeshApp Team, Your post looks looks pretty good and I really like, that you added a second constructor to keep the old constructor call valid. I also miss your class diagramm, I see you still have your old one in your Architecture post, but that only shows your MVC Pattern and not the new implemented pattern. It would be nice, if you either add it here, or update it in your old post and link it here. Best regards, Chessmate Team

#### kleopi (2018-05-28 10:05:20)

Hey chessmate, as we are using branches we have to ensure they still work in older branches. The class diagram has to be updated when we merge the next time. We will add a link here then. Thanks for your comment:D

Week 21 - Final | SheeshApp (2018-07-01 23:24:03) [...] Week 16: Design Patterns [...]

## **2.3** June

# Code Metrics and Codacy (2018-06-04 23:30)

Hello Smokers,

this week's task was planned to add the integration with SonarCube for code analytics and metrics to improve our development and keep our code cleaner, however we had huge issues to set it up with Android Studio and were therefore not able to use it actively.

```
> Task :app:compileDebugAndroidTestJavaWithJavac
Note: Some input files use or override a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
<-----> 97% EXECUTING [1m 15s]
> :sonarqube
```

```
FAILUME: Noild failed with an exception.

* What went wrong:
Execution (miled for task ':somerqube'.

> You're only authorized to execute a local (preview) SomerQube analysis without pushing the results to the SomerQube server. Please contact your SomerQube administrator.

* Try:
Run with —stacktrace option to get the stack trace. Run with —info or —debug option to get more log output. Run with —scen to get full insights.

* Get more help at https://help.gradle.org

BUILD FAILED in 2s
```

In the end we were unfortunately not able to use SonarCube for analysing our code.

However SonarQube is not the only tool available for analysing code, so we searched around and finally got stuck on Codacy, which simply integrates into github projects and even can be easily set up by members of the team that are not owning the repository.

We can highly recommend Codacy as a simple to use tool for everyone using conventional languages and github, who doesn't want to spend hours on setting up overcomplicated frameworks.

Anyways we immediately analysed our project on all branches in the simple web-view and were quickly greeted with a shiny Grade B badge and a list of a few hundred issues:

# Issues breakdown



Upon further research we found out that most of those issues were related to our ancient and barely used Espresso Test suite that generated a lot of code, so maybe we should put that onto the ignore list.

Some other issues came up and we tought Codacy to autocheck all commits and pull requests.

As an example, let's take this minor issue of having underscores in method names, an obviously very evil issue:



So we changed a few lines of our [1]Code to make up for this,

```
@And("^I am logged in$")
public void loggingIn() {
    ViewInteraction appCompatButton3 = onView(
            allOf(withId(R.id.btnWelLogin), withText("LogIn"),
                     childAtPosition(
                             childAtPosition(
                                     withId(android.R.id.content),
                                      position: 0),
                              position: 3).
                    isDisplayed()));
    appCompatButton3.perform(click());
    ViewInteraction appCompatButton4 = onView(
            allOf(withId(R.id.btnLogLogin), withText("Login"),
                     childAtPosition(
                             childAtPosition(
                                     withId(android.R.id.content),
                                      position: 0)
                              position: 3),
                    isDisplayed()));
    appCompatButton4.perform(click());
@Then("^I start AddFriendActivity$")
public void startAddfriend() {
```

```
@Given("^App is launched$")
     public void app_launched() {
     public void appLaunched() {
         Context appContext = InstrumentationRegistry.getTargetContext();
         assertEquals("de.dhkarlsruhe.it.sheeshapp.sheeshapp", appContext.getPack
     }
     @And("^I am signed up$")
     public void signing in() {
     public void signingIn() {
         ViewInteraction appCompatButton = onView(
                 allOf(withId(R.id.btnWelSignUp), withText("SignUp"),
                         childAtPosition(
@@ -143,7 +143,7 @@ public class AddFriendActivitySteps extends ActivityInstrumen
         appCompatButton2.perform(click());
     }
     @And("^I am logged in$")
     public void logging_in() {
     public void loggingIn() {
```

and Codacy immediately jumped into the commit, showing 9 fixed issues:



This Integration is alltogether very helpful for the refactoring process as commits are automatically getting a negative rating when they cause new issues and when we keep fixing issues, over time we keep lowering the issue count and end up with a nice and clean code.

That's it for today, please leave a comment and see you next week:)

SheeshApp

 $1.\ https://github.com/DawidMa/sheeshApp/commit/2925ac79f4a3f3122661ad319d61c3982e48d775$ 

wgplanerblog (2018-06-05 08:57:56)

Hi SheeshApp-Team, thank you for keeping us up to date! Your blogpost is very nice and I liked how you described what Codacy does and how you reacted to Codacys results on your software. But unfortunately I don't think that Codacy is the correct choice for calculating metrics. You have explained that you had some difficulties with setting up SonarCube with AndoridStudio and that you didn't get it to run. As you know, we're developing an android application too and SonarCube was pretty easy to set up and works like a charm. So if you need some help with setting up SonarCube, just ask. Kind regards Arne

kleopi (2018-06-05 09:06:23)

Hey wgplanerblog, we are actually very pleased with Codacy as it is so simple to use that in the end it is actually being used consistently. I think a more complex tool probably would not be used consistently (like our abandoned Espresso test suite). Are there any further reasons not to recommend Codacy? Anyways, thanks for your comment:)

dhpoly (2018-06-05 08:58:24)

Hi guys, great blog entry. It is kinda sad that SonarCube could not be used. But since we are also using Codacy, we can say that using this tool gives a lot of advantages. And you already said that a lot of your issues come from a recent test suite, so it should be fairly simple to erase all of your problems. Additionally, if you do not use your test suite anymore, you might just want to export it so Codacy does not check it anymore. Keep it up! Best regards, DHPol-yTeam

kleopi (2018-06-05 09:09:45)

hey dhpoly team, we are not sure what we do with our test suite, on one hand it is nice to show that it has been tried (for grading reasons), so we don't really want to delete it. However we can add it to the ignore list or simply fix the issues, even though fixing generated code is not really a way to go. So it's probably the ignore list. \_. Thanks for your comment:)

Week 21 - Final | SheeshApp (2018-07-01 23:24:05) [...] Week 17: Metrics [...]

## Installation (2018-06-08 11:22)

Hello Smokers,

we want to keep our installation simple so here are the steps you need to follow:

- 1. go to this [1]link using your android phone
- 2. the download of the .apk file starts automatically
- 3. click "open" to open the installation.
- 4. click "install" to finally install the product
- 5. Click "open" to start the application or "done" to finish installation without opening it.

And you are good to go!

**Troubleshooting:** 

• My phone prevents me from downloading foreign .apk s: Make sure you have "Trust foreign sources" enabled in your devices security settings, don't worry our application does not contain any harmful content!

Please let us know if you have any further issues. You can also create issues on our github:)

SheeshApp

1. https://github.com/DawidMa/sheeshApp/raw/master/sheeshapp.apk

Week 21 - Final | SheeshApp (2018-07-01 23:24:07) [...] Week 18: Installation [...]

# Week 21 - Final (2018-06-30 23:22)

Hey Smoker!

Today, this is our last blog post.. I Hope you had fun with us! In the following you will find all the important links:

**Use Case** 

- [1]History
- [2]Tracker
- [3]Upload Image
- [4]Add friend
- [5]Discord
- [6]Pop-Up Notification
- [7]Setup Tracker

Time and FP

• [8]Excel Sheet

# Blog Posts Semester I

- [9]Week 1: Our Vision
- [10]Week 2: Team roles and technologies
- [11]Week 3: Our SRS and OUCD
- [12]Week4: Use Cases
- [13]Week 5: Scrumming
- [14]Week 6: Feature files
- [15]Week 7: Class diagram
- [16]Week 8: architecture
- [17]Week 9: Gantt chart
- [18]Week 10: Cucumber running
- [19]Midterm

## Semester II

- [20]Week 11: Second Semester
- [21]Week 12: Risks
- [22]Week 13: Function Points
- [23]Week 14: Unit testing
- [24]Week 15: Refactoring
- [25]Week 16: Design Patterns
- [26]Week 17: Metrics
- [27]Week 18: Installation

# Mockups

• [28]Folder with all Mockups

## **Burndowns**

- [29]Burndown 1
- [30]Burndown 2
- [31]Burndown 3

# **Gantt Chart and RUP**

- [32]Example Image
- [33]RUP for Use Cases
- [34]Gantt

# SRS

- [35]OUCD
- [36]SRS Docu

# **Test Documents**

- [37]Testplan
- [38]addFriend.feature
- [39]deleteFriend.feature
- [40]signUp.feature

## **Final Presentation**

• [41]Download pptx

# Blog as PDF

• f

# Links/Other

- [42]Main gitHub folder
- [43]Targetprocess (Project Management)

Thanks for your support!!!

## Sheeshapp

- Dawid, Alex and also Manuel

```
1. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_History.png
2. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_Tracker.png
3. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_Upload_Image.png
4. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_addFriend.png
5. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_discord.jpg
6. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_popupNotification.png
7. https://github.com/DawidMa/sheeshApp/blob/master/documentation/UC_setupTracker.png
8. https://github.com/DawidMa/sheeshApp/raw/master/documentation/UC%20time%20spent.xlsx
9. https://sheeshapp.wordpress.com/2017/10/08/our-vision/
10. https://sheeshapp.wordpress.com/2017/10/15/week-2-team-roles-and-technologies/
11. https://sheeshapp.wordpress.com/2017/10/22/our-srs-and-oucd/
12. https://sheeshapp.wordpress.com/2017/10/29/week-4/
13. https://sheeshapp.wordpress.com/2017/11/05/scrumming/
14. https://sheeshapp.wordpress.com/2017/11/12/feature-files/
15. https://sheeshapp.wordpress.com/2017/11/19/class-diagram/
16. https://sheeshapp.wordpress.com/2017/11/26/architecture/
17. https://sheeshapp.wordpress.com/2017/12/05/week-9-gantt-chart/
18. https://sheeshapp.wordpress.com/2017/12/15/week-10-cucumber-running/
19. https://sheeshapp.wordpress.com/2017/12/15/midterm/
20. https://sheeshapp.wordpress.com/2018/04/13/week-11-second-semester/
21. https://sheeshapp.wordpress.com/2018/04/15/week-12-for-risks-and-side-effects/
22. https://sheeshapp.wordpress.com/2018/04/22/week-13-function-points/
23. https://sheeshapp.wordpress.com/2018/05/03/week-14-unit-testing/
24. https://sheeshapp.wordpress.com/2018/05/12/week-15-refactoring/
25. https://sheeshapp.wordpress.com/2018/05/27/design-patterns/
26. https://sheeshapp.wordpress.com/2018/06/04/code-metrics-and-codacy/
27. https://sheeshapp.wordpress.com/2018/06/08/installation/
28. https://github.com/DawidMa/sheeshApp/tree/master/screenshots
29. https://github.com/DawidMa/sheeshApp/blob/master/documentation/burndown.png
30. https://github.com/DawidMa/sheeshApp/blob/master/burndown3.png
31. https://github.com/DawidMa/sheeshApp/blob/master/burndown2.png
32. https://github.com/DawidMa/sheeshApp/blob/master/gantt.png
33. https://dhbwse.tpondemand.com/vizydrop/shared/drop/5ad477d677a787001475cefc?authkey=752a90339b44e5f288c9
34. https://tauboard.com/v/94c12e193b480ee2c2bd026b365b8b24
35. https://github.com/DawidMa/sheeshApp/blob/master/documentation/SheeshAppOUCD.png
36. https://github.com/DawidMa/sheeshApp/blob/master/documentation/srs.md
```

- 37. https://github.com/DawidMa/sheeshApp/blob/master/documentation/Test%20Plan.docx
- 38. https://github.com/DawidMa/sheeshApp/blob/master/documentation/addFriend.feature
- $39. \ https://github.com/DawidMa/sheeshApp/blob/master/documentation/deleteFriend.feature$
- 40. https://github.com/DawidMa/sheeshApp/blob/master/documentation/signupFeature.png
- $41. \ \texttt{https://github.com/DawidMa/sheeshApp/blob/master/SheeshApp.pptx}$
- 42. https://github.com/DawidMa/sheeshApp
- 43. https://dhbwse.tpondemand.com/RestUI/Board.aspx#page=project/199&appConfig=eyJhY21kIjoiODE2NUQ5Qjk1NjNGRTAyNzdGRUEONkQOREQ1MOMzOTMifQ==

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