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dhbwiewarsessen.wordpress.com

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1. 2018

1.1 October

Week 1 - Vision (2018-10-04 12:08)

Our Project is called "DHBWieWarsEssen". We want to create an Android App in which customers of the canteen at the DHBW Karlsruhe can rate their meal. Customers should be able to give a rating between 0-5 stars and can also leave a comment with it with what to improve.

The structure of a comment should be as following:

- Rating
- What food the customer ate
- Comment (optional)

The idea is to give the canteen employees a feedback so they can improve the food experience for everyone of their customers. Since good food motivates us for the day it will be a positive change for both the employees and the customers.

To code the app we want to use the IDE [1]Android Studio.

Our team members are: Luis Haider, Marcel Huber, Hasan Ünalan and Thimo von Rauchhaupt

1. https://developer.android.com/

SofwareEngineeringEnthusiast (2018-10-10 08:57:36)

Hey Guys, we absolutely love your idea and we hope the DHBW canteen will use your results to improve their service. We are very keen on getting more information and insights on your project, the set up and features we can look forward to. Keep up your good work. DHBW's appetite needs you! :D Your Software Engineering Enthusiasts

DHBWieWarsEssen (2018-10-18 08:39:50)

Hello Software Engineering Enthusiasts, thank you for the nice comment on our first blog post! We will supply you with more information on this blog in future. Your Marcel@DHBWieWarsEssen

deminder18 (2018-10-12 14:58:17)

Hi everyone, this idea is awesome! We already love your app, even though you haven't created it yet! :D We are excited for the future of our cantine-food:) One question: There is already a function to rate the food on the website of the "Studierendenwerk Karlsruhe". Will there be something like an API so that the ratings from the app also go to this website? Keep going guys! Best regards, Natalie. - Your Deminder-Team

DHBWieWarsEssen (2018-10-18 08:46:12)

Hello Natalie, thank you for your review. We are also excited for the future of our cantine food and hope to create an opportunity to improve it. To your question: We will look into the Website "Studierendenwerk Karlsruhe" and if it is possible, we will try to send them the reviews done in our app. Your Marcel@DHBWieWarsEssen

Week 2 - Technologies and Roles (2018-10-12 14:56)

This week we discussed which technologies we want to use and set up some tools we will use. Furthermore we defined our team roles.

We will develop our Application with the proramming language Java since we all learned Java during our first year at the DHBW. As IDE we will use Android Studio because it is the common for Android Development. Nobody in our team has much experience with Android Development and Android Studio but we are sure we can learn anything we need during the project.

To manage our project we use [1]YouTrack. We will use a YouTrack-plugin which is compatibable with our IDE where we can track our time while coding. For our [2]version control we use GitHub.

To communicate with each other in structured chats we use [3]Discord. In Discord we receive messages in dedicated channels from our YouTrack-Project and our GitHub-Repository everytime a team member makes a change.

This is our first plan for our distribution of roles, based on the Rational Unified Process (RUP) terminology. It may change during the project:

- Business Modeling
 - Hasan, Luis, Marcel, Thimo
- Requirements
 - Thimo
- · Analysis and Design
 - Luis
- Implementation
 - Hasan, Luis, Marcel, Thimo
- Test
 - Hasan, Luis, Marcel, Thimo
- Deployment
 - Marcel
- Project Management
 - Thimo
- Environment
 - Marcel
- Configuration and Change Management
 - Hasan, Marcel

- 1. https://dhbwiewarsessen.myjetbrains.com/youtrack/issues
- 2. http://github.com/dhbwiewarsessen/
- 3. https://discordapp.com/

CodeCrunch (2018-10-17 13:55:21)

Hello DHBWieWarsEssen, I see you're having the same issue with YouTrack as we had. We fixed it by doing: Settings -> Users -> check "guest" -> click Unban (at least for us, guest was marked as banned) After that, one could view our page without logging in. (and even create issues) Otherwise your post seems to match all criteria, good job! Greetings, Janis@CodeCrunch

DHBWieWarsEssen (2018-10-18 08:25:55)

Hello Janis, thanks for the tipp. We changed that on our YouTrack-Page and now everyone can see our issues without a login. Regards Marcel@DHBWieWarsEssen

Malaber (2018-10-18 11:52:57)

Hey Guys, In general, the infos you give in this blog post are good and comprehensive. Maybe it would be an idea to structure them better, especially the technologies used. I would add a heading to the different sections, so the reader can better see what the section is about. Your Daniel from turnie.re

tvrxvii (2018-10-18 11:57:40)

Hello Daniel, thank you for your infomative input to improve our blog page. We will try to work on creating new sections to give our blog a better structure. Best regards Thimo@DHBWieWarsEssen

Week 7 - PM Tool - DHBWieWarsEssen (2018-11-18 21:55:18)

[...] week we show our Project Management Tool in more detail. As mentioned in Week 2 we use YouTrack for Project Management. Here some screenshots that show the required [...]

Week 3 - SRS and UC-Diagram (2018-10-21 16:38)

After we determined the technologies and roles of every team member we devoloped the [1]Software Requirements Specification. Also we developed the [2]Use-Case-Diagram which might change over time if features are added or removed.

- $1. \ https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/SoftwareRequirementsSpecification.md$
- 2. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/UC%20Diagram.png

Tobias (2018-10-22 10:40:14)

Hi guys, your OUCD is very clear structured. Reusing your systems as actors in other systems really helps to understand the diagram and to keep it simple. But i recommend to insert the specific requirements in your SRS soon, so that your goals and aims for your app are clear from the very beginning because that will help alot while implementing it. I look forward to read your completed SRS soon. Best regards, Tobias from Tenniskönig

tvrxvii (2018-10-22 14:09:02)

Hello Tobias, very friendly review of our work. We are currently working on giving more detailed information about the implementation of our app. Hopefully we can upload the edited file on git soon. We can keep in touch so we can inform you when we finished it. Thank you for your comment. Best regards Thimo@DHBWieWarsEssen

CodeCrunch (2018-10-22 15:13:35)

Hello dhbwiewarsessen, I like the design of your UC diagram. It is very understandable. I have jsut few remarks: I think "Sort Rating" is just a list-option, I would'nt describe it in the UC What exactly is "manage rating"? This is present in "application" and "database". Maybe it should split and describe more specific. In "application" I only see the ratings, where is the list of menus in "application". I believe that this is included in "mange rating"? I'm very interested how your complete SRS will be, can't wait. Greetings, Nirjan@CodeCrunch.

DHBWieWarsEssen (2018-10-22 15:31:43)

Hello Nirjan, To the 'Manage Rating' part: We were told to combine the UCs 'Create Rating', 'Update Rating' and 'Delete Rating' into on UC 'Manage Rating' to gain clarity. We didn't think of the menus in the UC Diagram until now but we will definitly now and add them. Thank you for that hint. Best regards, Marcel@DHBWieWarsEssen

Week 4 - Use Cases (2018-10-22 16:20)

This week we defined all the use cases we want to finish until Christmas. Those use cases are documented in our [1]UC-Diagram.

Also we defined 2 use cases in detail and added a folder for our Mock-Up-Files, you can find them both in our [2]repository.

Edit:

After you pointed out that our Use Cases didn't match the Grading Criteria we defined two new use cases in detail:

- [3]Register
- [4]List Ratings
- 1. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/UC%20Diagram.png
- 2. https://github.com/dhbwiewarsessen/dhbwwe-documentation/tree/master/UseCases
- 3. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/Register/UC%20Register.md
- $4. \ https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/List%20ratings%20of%20other%20users/UC%20List%20ratings%20of%20other%20users.md$

Lukas@KeepThings (2018-10-23 20:39:39)

Hello there, Both diagrams and the mockup look very good. But I think you missed one point of the grading criteria: "- at least 2 Use Cases are uploaded (LOGIN/OUT does not count - nor Logout by the way)" Kind regards Lukas@KeepThings

DHBWieWarsEssen (2018-10-25 11:43:00)

Hello Lukas, yeah we realized that a little bit to late. We are working right now on two new use cases. When we update them maybe you can look at them again. Regards Thimo

perfecttimese (2018-10-24 12:29:02)

Hi Guys, we like your UCD. It's very easy to understand your objectives and to get an overview over your project, well done. Your UC Specs are nice, but unfortunately you should NOT do a login or logout as the homework for class. So sorry guys, but you will have to do two other use cases to meet the requirements. Nevertheless, we believe you are doing a great job. So keep up the good work. Your friends from Perfect Time - plan your trip

DHBWieWarsEssen (2018-10-25 11:49:52)

Hi Guys, thank you for your helpful comment. We realized the point with the grading criteria too late. We now make two new ones. We wanted to connect all MockUps so we don't have that much more work to do. Best regards Thimo

betanummeric (2018-10-25 12:11:39)

Hi Guys! Regarding your UC-Diagram I think the terms "manage" and "list" are inappropriate. A database should only store data and not contain any business logic. In the UC-Specification for the login feature I would show not logged in users links to features they cannot access and direct them to the login form if the click on it. If the authorization succeeds the user should be led to the page with the feature he initially clicked on. If the authorization fails, the user should be redirected to the page he came from. In the UC-Specification for the login feature I would write "logout the user" instead of "remove currently logged in user". The latter suggests the user won't be able to log in again... Also it should be put clear that the logout feature should'nt even be visible to logged out users. Greetings Your Felix from turnie.re

1.2 November

Week 5 - Features (2018-11-04 20:59)

This week we created the freature files for the Use Cases defined last week with Gherkin:

- [1]Register
- [2]List Ratings

Proof that IDE has correct formatting and color highlighting for .feature file:

```
Feature: Register
      As a User
      I want to create a new account and be logged in afterwards
      Scenario: Register successful
        When User navigates to "/Register"
        And User enters "sax" into input field with id "username"
        And User enters "123456" into input field with id "password"
        And User enters "123456" into input field with id "password-confirm"
        And User clicks on Button with text "Register"
        Then User should be logged in as "max"
      Scenario: Passwords are not equal
        When User navigates to "/Register"
        And User enters "sax" into input field with id "username"
        And User enters "123496" into input field with id "pessword"
        And User enters "654321" into input field with id "password-confirm"
        And User clicks on Button with text "Megister"
      Scenario: Username already exists
        Given User " is registered
        When And User enters "max" into input field with id "username"
        And User enters "125496" into input field with id "password"
        And User enters "123456" into input field with id "password-confirm"
        And User clicks on Button with text "Register"
        Then User should see error "this username already emits"
```

Proof that autocomplete works:

```
Scenario: Username already exists

Given User "max" is registered

When And User enters "max" into input field with id "measure"

And User enters "123456" into input field with id "password"

And User enters "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

And User enters "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

The User "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

User clicks on Button with text "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

User navigates to "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

User should be logged in as "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

User should see error "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>

User should see error "<a href="https://www.strings.compenses.org/">strings.compenses.org/</a>
```

- 1. https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/app/src/androidTest/assets/register.feature
- $2. \ \, https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/app/src/androidTest/assets/ListRatingsOfUsers.fe ature$

KeepTrack (2018-11-07 10:44:44)

Hey guys, good job on completing the .feature files using Gherkin. I noticed that the links you included might be corrupted, I am not able to see the files in your repository using the given links at this time. I also checked your repository and I am not able to find it there either. You might want to look into that again:) I'm looking forward to checking out your .feature files in the near future. Greetings, Stiven@KeepTrack

DHBWieWarsEssen (2018-11-07 11:29:59)

Hello Stiven, thank you for your feedback. Sorry for the problem with our repository. I relocated the .feature files but forgot to change the link on this post. The links should now be correct again. Best Regards, Marcel@DHBWieWarsEssen

deminder18 (2018-11-08 12:51:57)

Hey guys, great work! I really like that you used variables in yor feature file. Maybe you could write a bit more in your blogpost. But other than that, keep up the good work! Tillmann from Deminder

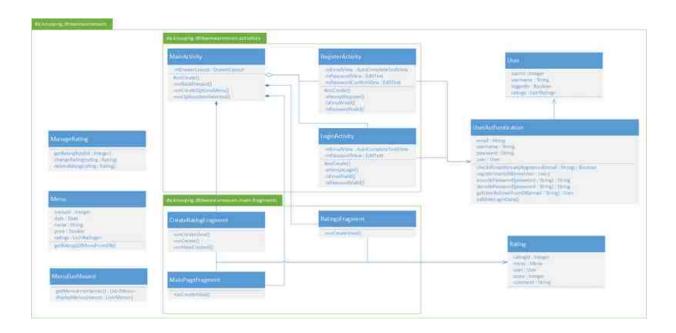
DHBWieWarsEssen (2018-11-08 13:42:56)

Hey Tillmann, thank you for your review. We will look into what else we can mention in this blogpost. Best Regards, Marcel@DHBWieWarsEssen

Week 6 - Classdiagram (2018-11-11 17:18)

This week we created our class diagram. We had some problems with that because only Android Studio Ultimate supports automatic generation of classdiagrams.

We found some plugins which also create class diagrams but none was really good. So we decided to create our class diagram manually with Visio. You find the original file [1]here.



We also had some problems with our YouTrack Server, because the free trial ended and we realized that the InCloud version is only free for a maximum of 3 users. So we made a backup of the server and uploaded it to our own Standalone YouTrack instance. We are looking for solution for this but for now we can continue our work.

 $1. \ https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/ClassDiagrams/UMLClassDiagram.png$

blapplications (2018-11-11 23:28:59)

Hey together, it would be nice if it is possible to add an greater view of the image or an direkt link to your Git-Repo, if it is placed there. When I simply open it in a new tab the headings are destroyed and unreadable It would be nice if you fix this soon. Keep coding Benni@KeepThings

DHBWieWarsEssen (2018-11-13 15:43:29)

Hello Benni, thank you for the feedback. We changed the picture. The problem was that we had transparent background and some Browsers don't display this properly. Best regards, Marcel@DHBWieWarsEssen

Tenniskönig (2018-11-12 17:09:37)

Hey guys, your image is very difficult to read, maybe you can add a better View or a link to your Git and your Documentation. In overview your Diagramm looks ok. Please fix the picture. Best regards, Tenniskönig

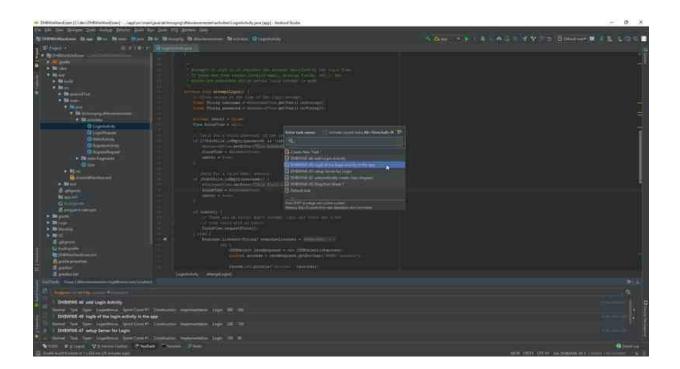
DHBWieWarsEssen (2018-11-13 15:44:36)

Hello guys, thank you for the feedback. Same answer as the comment before: We changed the picture. The problem was that we had transparent background and some Browsers don't display this properly. Best regards, Marcel@DHBWieWarsEssen

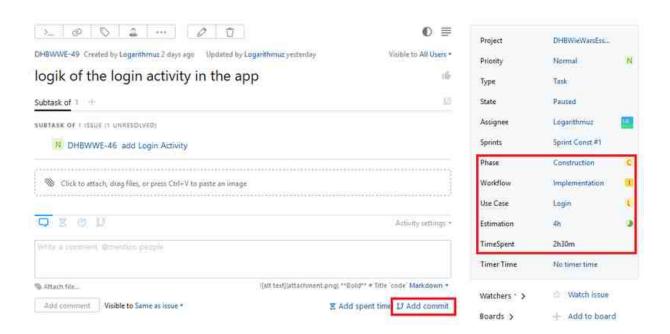
Week 7 - PM Tool (2018-11-17 13:16)

This week we show our Project Management Tool in more detail.

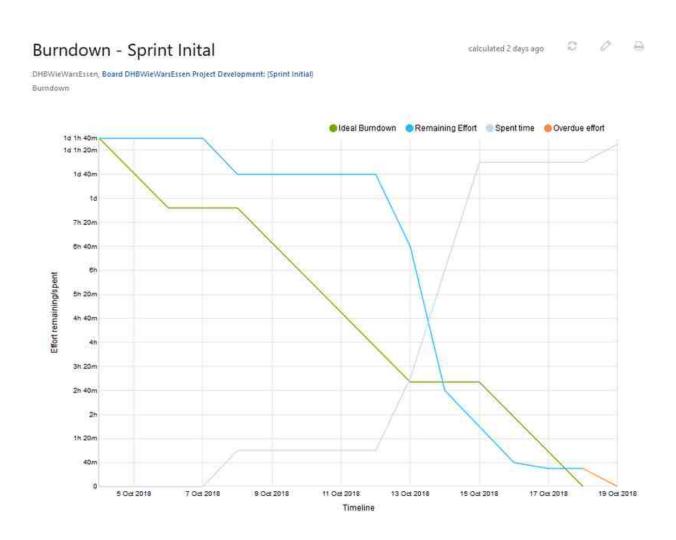
As mentioned in [1]Week 2 we use [2]YouTrack for Project Management. Here some screenshots that show the required functionalities:



Integration of YouTrack in Android Studio



Integration with git and requested attributes for issues



Burndown for our first Sprint

On these screenshots you can see that we integrated YouTrack into our IDE and our GitHub Repository. We also implemented all the requested attributes for our issues in YouTrack and set everything up for time tracking. We also created Burndown Diagrams for our Sprints.

The only thing we haven't managed to do until now is the GANTT Chart.

- 1. https://dhbwiewarsessen.wordpress.com/2018/10/12/week-2-technolgies/
- 2. https://dhbwiewarsessen.myjetbrains.com/youtrack/issues

CommonPlayground (2018-11-18 22:31:37)

Hi folks, overall it looks like you've got a grip on everything (except the thing you say you don't). Your IDE and Git integration looks like it's perfectly fine and the burndown seems proper, too. It might be best if you re-provided the link to the you-track board, so it won't be overlooked while grading. Have you looked into the time-tracking section of your You-Track? You can use a timer in IntelliJ you can start and stop so you don't have to add the time you spent on a task manually. Do you use any other deployment tools that could be integrated? Also for the GANNT, I'm not sure if that's going to help you but we did it by designating some tasks as being dependent on others. You can add that the same way you designate one task as a sub task of another. That should cover everything else that's mentioned in the grading criteria... Good luck with the GANNT chart and keep up the good work! Inga@CommonPlayground

DHBWieWarsEssen (2018-11-20 22:58:06)

Hey Inga, thanks for the tipp with the link to our YouTrack-Board, I added it again to this Blogpost. For the time tracking we use a little script within YouTrack which tracks the time the issue spends in "In Progress". We can open an issue from within the IDE and YouTrack automatically tracks the time for us. For now we do not use other deployment tools. Thank you for your tipp on the GANNT chart aswell, we will look into that again. Best Regards, Marcel@DHBWieWarsEssen

perfecttimese (2018-11-19 13:48:00)

Hey guys, you did a great work with your PM tools and the different integrations. In your burndown chart you can see the spent time and the remaining effort. We like that. How did you draw this into your chart? Keep up the good work. We are looking forward to your next steps. Your PerfectTimeCrew

DHBWieWarsEssen (2018-11-20 22:36:46)

Hey PerfectTime, thank you for your nice comment. We added fields for Estimation and Spent Time to our issues whitch we could use for creating the Burndown Chart instead of the issues count. You seem to have used another tool for your time tracking so I think you won't be able to use those values for your Burndown Chart unless you can import it to YouTrack somehow. Best Regards, Marcel@DHBWieWarsEssen

Week 8 - Retrospective (2018-11-22 14:32)

Today we sat together with another group and made a retrospective by talking about strengths and weaknesses of our groups. These are the most important things we came up with:

Strengths:

- Using the strengths of each member
- Clear definition of the definition
- Good atmosphere
- Spreading of information
- Usage of Discord

Weaknesses:

- Issues with YouTrack license
- Progression of the Project is slow
- Poor communication
- Poor task distribution over all the members

After laying those out we also determined some measures to improve our weaknesses:

- Get YouTrack licenses
- Take time to distribute tasks properly
- After class sit together for 5-10 minutes and exchange thoughts about the project

EventLAB Team (2018-11-27 22:31:45)

Hey guys, we were also facing an issue with task distribution, so we are using round robin to distribute tasks in future. Maybe this helps to distribute the tasks properly. So we will look at the open tasks and every member will pick one until there are no more tasks left. Maybe you want to give it a try as well. Apart from that, keep up the good work and exchange. Your EventLAB Team

DHBWieWarsEssen (2018-11-29 10:02:24)

Hello EventLAB Team, thank you for your nice idea of distributing our tasks. Now that we have the license for youTrack we get everything better done, also we try to talk more through discord. But we will look at "round robin". Thank you for your input. Best Regards Thimo

leisim (2018-11-29 08:58:51)

Hey guys, nice to see your blogpost about your retrospective. I think many teams have the same problems. To work more and faster on the project we are trying to set Dates on which we work on a Place together. Maybe you can also try this. Keep up the good work! Greetings, Simon / FyF Team

DHBWieWarsEssen (2018-11-29 10:06:43)

Hello Simon, thank you for your input, we now try to sit together more often also in persona, we tried a "Coding Monday" and it worked very well. Furthermore we are talking more through discord. Thanks for your input you are giving us. Best Regards Thimo

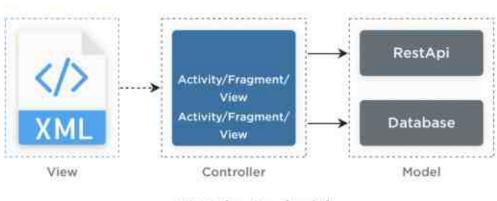
Week 12 - Status Update - DHBWieWarsEssen (2019-04-03 11:07:28)

[...] week we talked about how we are going to further proceed with our project. As already mentioned in Week 8 – Retrospective we have problems with the distribution of work in our group it has been our main [...]

1.3 December

Week 9 - MVC (2018-12-02 19:30)

This week was about MVC. Because we create an Android App we use MVC inherent. On this picture you can see the basic structure in Android:



MVC in Android

(src: [1]https://www.simform.com/mvc-mvp-mvvm-android-app-development/)

In the Model we have classes which extend the Observable class. Those classes contain data we get from the server and notify the Activitys in the Controller when something changed.

Edit:

Also we created a Software Architecture Document (SAD) which you can have a look at [2]here.

Edit:

We also have our Cucumber Tests running now, you can take a look on our proof video [3]here.

- 1. https://www.simform.com/mvc-mvp-mvvm-android-app-development/
- 2. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/Software%20Architecture%20Document.md
- 3. https://youtu.be/86zfUB4FoFc

flashcardcommunity (2018-12-03 23:37:13)

Hi guys, you described in your blog post the basic MVC structure in Android, but I'm missing the rest of the Software Architecture Document like the other teams published. Did you just forget to write a link to it on yout post? EDIT: I found it in your GIT repository, but it only contains the intruduction and the table of contents. Did you run out of time to put in the different diagrams? I'm very interested in seeing what is your actual status of your project. Kind regards, Rainer@FlashCardCommunity

DHBWieWarsEssen (2018-12-04 19:11:45)

Hey guys, At that time we haven't put much work into the SAD but now we did and are almost done with it. If you are interested you can have another look into it. Thanks for the comment! Kind regards, Hasan@DHBWieWarsessen

flashcardcommunity (2018-12-05 09:58:12)

Hey guys, glad to see that you found some time to continue on your SAD (although it is still incomplete). I was in worry that you maybe had to suspend your project due to some reasons I can't know. Now we got a good view on your architectural representation and goals (are you satisfied or statisfied with them, I didn't find the word you wrote in a dictionary). Maybe you will find some more time to present the logical and the data view, I'm looking forward for it. So, keep on working! Regards, Rainer@FlashCardCommunity

CodeCrunch (2018-12-04 11:16:34)

Hey DHBWieWarsEssen, what you have so far looks nice to me, however i'm missing your Software Architecture Document. Make sure to link it in your blog! Speaking of links, your link in our peer review central seems to be broken, you might want to review that. Greetings, Janis@CodeCrunch.

DHBWieWarsEssen (2018-12-04 19:11:54)

Hey guys, At that time we haven't put much work into the SAD but now we did and are almost done with it. If you are interested you can have another look into it. We also fixed the broken link in the peer review central. Thanks for the comment! Kind regards, Hasan@DHBWieWarsessen

W22 - Final - DHBWieWarsEssen (2019-07-02 19:03:02) [...] Architecture [...]

Week 10 - Cucumber Running (2018-12-22 13:56)

As mentioned last week, we have our Cucumber Tests running. Here is the Video to proof it: [youtube https://www.youtube.com/watch?v=86zfUB4FoFc?ecver=1 &iv _load _policy=1 &rel=1 &autohide=2 &color=red &width=560 &width=560]

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:44) [...] Cucumber Running Proof [...]

Week 11 - Midterm summary (2018-12-22 13:57)

Use Cases
[1]List Ratings
[2]Provide Menu

[3]Receive Menu [4]Register [5]Manage Rating
SRS [6]SRS
Test Cases [7]List Ratings [8]Register [9]ManageRating
Test Log [10]Test Log
Functional Test [11]Running Proof
YouTrack [12]Issues
Burndown Chart [13]Burndown - Sem1
GitHub [14]Repositories

SAD [15]SAD

Presentation [16]Presentation

- $1. \ https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/List%20ratings%20of%20other%20users/UC%20List%20ratings%20of%20other%20users.md$
- 2. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/Provide%20Menu/UC%20Provide%20Menu.md
- $3. \ \ \, https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/Receive%20Menus/UC%20Receive%20Menus.md$
- 4. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/Register/UC%20Register.md
- 5. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/Manage%20Rating/UC%20Manage%20Rating.md
- 6. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/SoftwareRequirementsSpecification.md
- 7. https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/app/src/androidTest/assets/ListRatingsOfUsers.fe ature
- $8. \ https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/app/src/androidTest/assets/register.feature. The state of the state of$
- $9. \ https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/app/src/androidTest/assets/ManageRating.feature$
- 10. https://raw.githubusercontent.com/dhbwiewarsessen/dhbwwe-documentation/master/pictures/TestLog.png
- 11. https://youtu.be/86zfUB4FoFc
- 12. https://dhbwiewarsessen.myjetbrains.com/youtrack/issues
- 13. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-6
- 14. https://github.com/dhbwiewarsessen/
- 15. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/Software%20Architecture%20Document.md
- 16. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/Pr%C3%A4sentation.odp

2. 2019

2.1 April

Week 12 - Status Update (2019-04-03 11:07)

This week we talked about how we are going to further proceed with our project. As already mentioned in [1]Week 8 - Retrospective we have problems with the distribution of work in our group it has been our main focus.

Also we have issues with our current host for the server so we decided on using multiple hosts as backup server. That gives us the advantage of being able to switch hosts if the main host is offline.

We updated our [2] SRS and listed all the Use Cases we want to do in semester 4. These Use Cases are

- Submit Rating to Server
- Sort Ratings
- Get Ratings from Server
- Receive Rating (Server)
- Provide Ratings of all users
- Manage Rating (Server)
- List Ratings (Server)

We are currently working on the use case specifications for these use cases.

- 1. https://dhbwiewarsessen.wordpress.com/2018/11/22/week-8-retrospective/
- $2. \ https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/SoftwareRequirementsSpecification.md$

31

Week 13 - Risk Management (2019-04-03 11:08)

In this week our group created an excel sheet for our risk management. In that excel sheet we rank all the possible risks on different factors which can be found [1]here.

We also created a diagram showing the time spent per use case. You can take a look at it [2]here.

- 1. https://onedrive.live.com/view.aspx?resid=60A2FC7584BA09D4!115&ithint=file%2cxlsx&authkey=!AB1nL8_yNVck8Pw
- 2. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-1

perfecttimese (2019-04-15 12:01:37)

Hey guys, nice work with the YouTrack report. It looks really good. The risk table is also nice. You have a very significant risk (no server connection) at the first place. Have you look at your mitigation strategy in detail? It appears to be worth the effort, given the fact that you estimated the risk impact with 9 of 10 and the probability with 85 %. Keep up the good work. Your friends from Perfect Time

DHBWieWarsEssen (2019-04-16 20:23:37)

Hey Perfect Time, thanks for your comment on our blogpost. We know that we have a pretty high risk factor on the server issue. This is mainly because we had many problems with our webhost. We have now switched to another webhost and until now it looks like this host is much more reliable regarding server uptime. If we don't make other experiences with our new host we can decrease the risk factor. For the case that this server has a downtime sometimes we have plans to setup a second server on another webhost, which will automatically sync with our main server. This server will automatically used by the app, untill the main server is up again. Best regards, Marcel@DHBWieWarsEssen

CommonPlayground (2019-04-15 12:06:29)

Hi there, I cannot open your excel without logging into OneDrive. Which I cannot 'cause my Microsoft Account is currently not functioning. Perhaps you can make that accessible? For the Time Spent: It's good you have it tracked but since this is prepartion for further estimations it might be worthwhile to do a re-assessment of the time according to the table given in the grading criteria: http://dhbwse201819.pbworks.com/w/page/132803115/SE2 _week2 _Risk We had a lot of warm-up time in our first use-case which would blurr our estimation for example. All the best, Inga@CommonPlayground

DHBWieWarsEssen (2019-04-16 18:52:40)

Hi Inga, thank you for the nice comment. We and and a fellow student were able to access the excel sheet without being logged with our Microsoft account. Maybe try it again with another browser or ask someone on your team to open the excel sheet. Thanks for the tip with the Time Spent, but I fear we have not tracked our time detailed enough to create a table like you did. We didn't track the time in different categories and I think we also didn't track the time we spent for Warm-Up. It is hard to guess the time now after almost half a year. We try to learn from our mistakes on the time tracking and do it better and more detailed in this semester. Best Regards, Marcel@DHBWieWarsEssen

deminder18 (2019-04-16 14:47:31)

Hi guys, your YouTrack-Report is very well done, everything is very clear. Keep it up. The Risk-table could be described a bit more detailed and extensive, but otherwise it is really good. In field B3 after "the" a "y" is missing, that could be improved. Furthermore the sorting by the risk factor doesn't seem right to me, maybe you could check it again. Keep up with your fantastic work. All the best, your Deminder-Team (Natalie)

DHBWieWarsEssen (2019-04-17 09:59:30)

Hi Natalie, thank you for your nice comment. We will correct our small mistake and we definitely forgot to sort the entries, thanks for reminding us. Best Regards, Thimo@DHBWieWarsEssen

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:58) [...] Risk Management [...]

Week 14 - Function Points (2019-04-21 16:55)

This week we calculated Function Points for our Issues.

The following table shows how the function points for these Use Cases are calculated:

use case	transaction	DET	RET	FTR	Complexity	FP
List Ratings (App)	external input	Н	1		low	
	external output		m	1	medium	
	external inquieries	1			medium	
	internal logical files	1			low	
	external interface files				low	15,77
Login	external input	2	1		low	
	external output	1			low	
	external inquieries	1			medium	
	internal logical files	1			low	
	external interface files				low	14,11
Manage Rating (App)	external input	3	1		medium	
	external output				low	
	external inquieries	1			medium	
	internal logical files	2			low	
	external interface files		1		low	32,37
Register	external input	5	1		medium	
(Neg-state)	external output	1			low	
	external inquieries	1			mediuim	
	internal logical files				low	
	external interface files	Е			low	26,56
Get Ratings from Server (App)	external input	3	1		low	
	external output			1	low	
	external inquieries	1			low	
	internal logical files				low	
	external interface files				low	10,79
Provide Ratings of all users (Server)	external input	1			low	
	external output			1	high	
	external inquieries	1			low	
	internal logical files				low	
	external interface files	H			low	10,79
Sort Rating (App)	external input	3	1		low	
W	external output			1	low	
	external inquieries				low	
	internal logical files	2			medium	
	external interface files				low	29,88

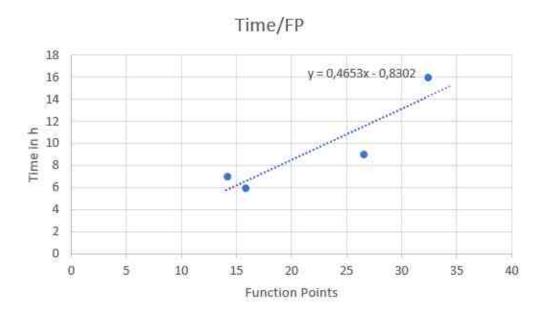
We used the following Complexity Adjustment Table:

Complexity Adjustment Table

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

Domain Characteristic Table | FP Calculation

With this data and the time spent per Use Case we were able to create the folloing Graph:



You can look at the full Excel Sheet with all our calculations [1]here.

With the calculated function we can now estimate the time we will need for new Use Cases:

Estimation	FP	Time (estimated)			
Get Ratings from Server (App)	10,79	4,190387			
Provide Ratings of all users (Server)	10,79	4,190387			
Sort Rating (App)	29,88	13,072964			
Total Semester 4	51,46	21,453738			

1. https://studentdhbwkarlsruhede-my.sharepoint.com/:x:/g/personal/huber_marcel_student_dhbw-karlsruhe_de/EXZ PlLDqYSVMhVSlCcjqoowBH-Y_Lsvuvqr95r5LbAOHJg

CommonPlayground (2019-04-22 17:56:22)

Hey guys, you did a good job with your FP Calculation. The table looks very clear and detailed. But you only have 7 UCs calculated yet. The grading Criteria says, you should have the five UCs from last semester and at least three new calculated for this week, The rest of your blog post looks pretty good. Keep going! Yours Denis @Commonplayground

DHBWieWarsEssen (2019-04-24 09:03:05)

Hello Denis, thank you for your comment. In the slides we read we have to do 3 old and 3 new use cases. In the grading criteria there is no number specified, so we thougt 4 for the last semester and 3 for this one would be enough for now. Anyhow, we will do the other use cases later and keep the exel sheet up to date. Greetings Marcel@DHBWieWarsEssen

flashcardcommunity (2019-04-23 00:17:34)

Hello =) good job with that calculation. As has already been written, you have one use case too few. Otherwise continue like this. Greetings Sascha@flashcardcommunity

DHBWieWarsEssen (2019-04-24 09:05:41)

Hello Sascha, thanks for the comment. As mentioned above, we saw in the slides we only have to do 3 old and 3 new use cases for now. We will do the other use cases later. Greetings, Marcel@DHBWieWarsEssen

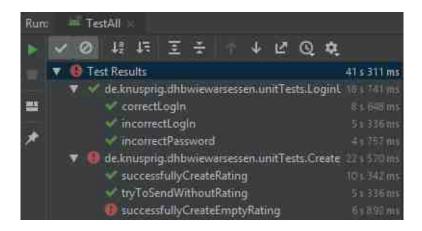
W15 - Unit Testing (2019-04-30 12:01)

This week we worked on testing our App.

For this reason we created a Test-Plan that you can see [1]here.

As mentioned in the Test-Plan we made a few Unit-Tests.

For now we only made Unit-Tests for 'Create a Rating' and 'Login', but in the future we would like to cover more of them.



In this screenshot you can see, that our test are running

We needed to make some changes on our build.gradle. You can find it [2]here.

The link to our test code will follow soon, since we're still fixing one minor bug.

Edit: You can find our Unit Tests [3]here.

- 1. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/TestPlan.md
- $2.\ \texttt{https://github.com/dhbwiewarsessen/dhbwwe-app/blob/Development/app/build.gradle}$
- 3. https://github.com/dhbwiewarsessen/dhbwwe-app/tree/Development/app/src/androidTest/java/de/knusprig/dhbwiewarsessen/unitTests

Tenniskönig (2019-05-07 10:17:11)

Hey guys, i am still missing the test code! Did you fixed the problem? It,s now 7 days since you made the blogpost. your testplan ist short, but as i can see nothing is missing. So good work. Are you using a Coverage tool? It would be nice to hear about that. Greetings Tenniskönig

DHBWieWarsEssen (2019-05-07 16:52:14)

Hello guys, thank you for your comment. We totally forgot to add the test-Code, but now it should be there, sorry for that. We are not sure which Coverage Tool we want to use, if you have any suggestion we are happy to hear some. Thank you a lot and best regards Thimo

KeepTrack (2019-05-08 09:25:46)

Hey guys, nice work on your first tests! As you already mentioned yourself, you should probably write some more tests for your other features, though. Also, you could think about providing the screenshots of your tests and tools in your test plan to make it prettier. I don't see any problems other than that, keep up the good work! Rouven@KeepTrack

DHBWieWarsEssen (2019-05-08 11:40:39)

Hello Rouven, thank you for your comment, we're doing more weeks in the next time for more Use-Cases, we will keep you guys updated. We will put more screenshots into the blogpost in the future, especially when we decided which Testcoverage tool we want to use. Thank you a lot and best regards Thimo

simonleitl (2019-05-07 09:16:45)

Hey Guys, nice to see your new blogpost. The test looks good. It's also nice that you talked about the changes in the build.gradle. This will help other people who develop and test android apps. Greetings Simon/FyF

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:46) [...] Test Log [...]

2.2 May

W16 - Refactoring (2019-05-04 12:01)

This week we did the refactoring exercise based on M. Fowler. Here are the links to out repositorys:

- [1]Marcel
- [2]Hasan
- [3]Thimo
- [4]Luis
- 1. https://github.com/Logarithmuz/Refactoring
- 2. https://github.com/Banerry/exersiceRefactoring
- 3. https://github.com/TvRXVII/Refactoring
- 4. https://github.com/DrHaid/Refactoring

perfecttimese (2019-05-07 07:36:17)

Hey guys, Nice work with the refactoring. Most of you followed the path Fowler gave in his book. This looks good in your repositories. Most of you have many commits. However there is one little flaw (from my perspective). If you use Java 8 you can throw out the Enumeration in the class Customer (use List instead of Vector and use .foreach). This improves readabilty a lot;-). And @Thimo you seem to have only a few commits... Maybe you could refactor a bit more. Apart from that amazing work (as always). So keep it up! Your friends from Perfect Time

DHBWieWarsEssen (2019-05-07 16:46:59)

Hello guys, thank you for your helpful comment, we will look into your idea with the foreach. And I was not able to finish the refactoring when you wrote the comment, because of a small lack of time, bit now it's finish and maybe you want to look at it. Thank you and best regards Thimo

Tenniskönig (2019-05-07 11:10:17)

Hey guys, your Repositorys looks very good. In my opinion each one of you solve the Exersice. But I also agree with Perfect-Time-Groupe. Thimo has only a few commits. Maybe you can refactor a bit more or do less changes in one commit. Best regards, Tenniskoenig

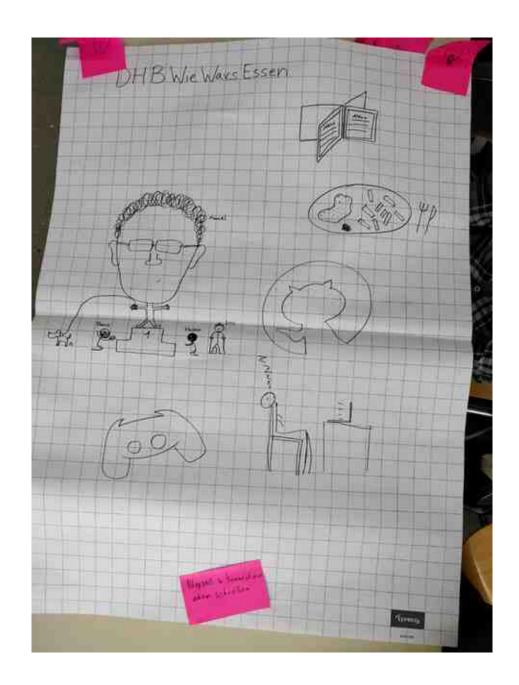
DHBWieWarsEssen (2019-05-07 16:49:26)

Hello guys, thank you for your nice comment. I sadly was not done with the task until now, so thats the reason I did just a few commits, due to a lack of time. I hope that it is now better. Thank you and best regards Thimo

W17 - Retrospective (2019-05-08 11:27)

This week we did a Retrospective again. Here is our conclusion:
What did you learn regarding teamwork since last time?
Clear assignment of tasks
Write blogposts and comments earlier
Better communication
IntelliJ is the superior IDE
intelligible superior is:
Got better at writing comments for other groups

Draw a picture of your strengths.



How can you improve?

• Our group currently has a good pace in progress and assignment of tasks, we currently don't have a major point to improve on.

CodeCrunch (2019-05-13 14:02:32)

Hola gente! It's nice to hear that you get along nicely and you don't have major problems to work at at the moment. I hope it'll stay this way for the rest of the semester and you don't get surprised by a sudden game-stopper! Nice drawings by the way:) Cheers Kai@CodeCrunch

DHBWieWarsEssen (2019-05-15 11:24:19)

Hola chicos Thank you for your comment and we are really confident that we won't have any major problems in the future. The drawings are all made by our lead artist Luis and we are very proud to present them to the world! Cheers Hasan@DHBWWE

perfecttimese (2019-05-14 00:04:04)

Hey Guys, great to hear that your retro was that positive for you. It seems that you have definitely found a good way in working together! Keep up for the rest of the semester. To be a car or no to be a car thats the question... Which car are you today? (What a useful question :D) Have a great Time. Your PerfectTime Crew

DHBWieWarsEssen (2019-05-15 11:25:56)

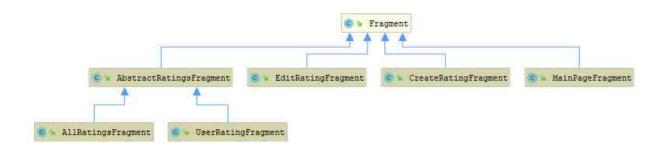
Hello there, Thanks for your comment and I hope your restrospective went a similar way! Cheers Hasan@DHBWEE

W18 - Design Patterns (2019-05-19 17:15)

This weeks task was to implement a design pattern into our code. We chose to use the template pattern in which you create an abstract class and use it as the sceleton for the inheriting classes.

Since UserRatingsFragment and AllRatingsFragment have a similar construction in methods we decided to use those to apply our pattern to.

In the following screenshot you can see our new classdiagram for our fragments. As you can see we have a new class [1]AbstractRatingsFragment.



1. https://github.com/dhbwiewarsessen/dhbwwe-app/blob/Development/app/src/main/java/de/knusprig/dhbwiewarsessen/controller/fragments/AbstractRatingsFragment.java

Lukas@KeepThings (2019-05-21 19:11:57)

Hello there, good job implementing this design pattern. It would be nice if you mabye add a before-after screenshot of the classdiagram. Kind regards, Lukas@KeepThings

Tenniskönig (2019-05-22 09:45:44)

Hello there, your work is very good but like Lukas said, a befor-after screenshot would be wonderful. Best regards, Tenniskönig

W22 - Final - DHBWieWarsEssen (2019-06-30 18:34:02) [...] Pattern [...]

W18 - Testing (2019-05-20 11:05)

As a third test we decided to execute a user test, where we provide our app to a group of testers. Those testers are asked for feedback concerning the usability and intuitiveness of our app. With this information we then try to further improve our app.

We also set up our test coverage with coveralls. You can take a look at it [1]here.

1. https://coveralls.io/github/dhbwiewarsessen/dhbwwe-app

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:48)

[...] Test Coverage [...]

W19 - Metrics (2019-05-28 12:04)

We now use [1] Sonarcloud for our Metrics.

One of the first things we realized with sonarcloud, was that we still had duplicate code in our two RatingsFragments which we already refactored last week:

	Duplicated Lines	Duplicated Lines (%)
AbstractRatingsFragment.java	0	0.0%
	125	75.3%
CreateRatingFragment.java	0	0.0%
□ EditRatingFragment,java	0	0.0%
MainPageFragment.java	0	0.0%
UserRatingFragment.java	122	57.3%

So we did some more refactoring and tada: no more duplicate lines! (at least in our fragments)

	Duplicated Lines	Duplicated Lines (%)
AbstractRatingsFragment.java	0	0.0%
☐ AllRatingsFragment.java	0	0.096
CreateRatingFragment.java	0	0.0%
EditRatingFragment,java	0.	0.096
MainPageFragmentjava	0	0.096
☐ UserRatingFragment.java	0	0.0%

All we had to do was to move the duplicate code to the already existing AbstractRatingsFragment. We created this last week as a template for our RatingFragments. You can look at our changes [2]here(GIT) and [3]here(Metrics).

Edit:

We now also took a look at more Metrics with the tool [4]MetricsReloaded for IntelliJ.

Here you can see our Metrics before we made any changes:

Ja53	CBO	DIT	LEOM	NOC	RFC	WM
de knusprig dhbwiewarsessen controller activities LoginActivity						
de.knusprig.dhbwiewarsessen.controller.activities.MainActivity	24				154	7.5
de knusprig dhbwie warsessen controller activities Register Activity	8				42	16
de knusprig dhbwiewarsessen controller activities Settings Activity					:15)2
de knusprig dhbwiewarsessen controller fragments AbstractRatingsFragment					51	35
de knusprig dhbwiewarsessen controller, fragments AllRatingsFragment						
de knusprig dhbwiewarsessen controller fragments CreateRatingFragment						13
de knusprig dhowlewarsessen controller fragments Edit Rating Fragment					38	- 3
de knusprig dhbwiewarsessen controller fragments MainPageFragment	8					18
de knusprig dhbwiewarsessen controller fragments UserRatingFragment	4			0	26	
de knusprig dhowiewarsessen httprequest CreateRatingRequest						
de knusprig dhbwlewarsessen httprequest DeleteRatingRequest				.0		2
de knusprig dhbwiewarsessen httprequest EditRatingRequest						
de knusprig dhbwiewarsessen httprequest LoginRequest						
de knusprig dhbwiewarsessen.httprequest.RegisterRequest						12
de knusprig dhbwlewarsessen.httprequest.RetrieveMenuRequest						
de knusprig dhbwiewarsessen.httprequest.RetrieveRatingsRequest)2
de knusprig dhbwiewarsessen model Dish	4					
de knusprig dhbwiewarsessen model Menu						
de knusprig dhbwiewarsessen model Rating						13
de knusprig dhbwiewarsessen model RatingAdapter						
de knusprig dhbwiewarsessen model User						11
de knusprig dhbwiewarsessen Validation				0		
Total						239
Average	4,78	3,39	1,74	0.09	24,78	10,39

As you can see we have really high values for the MainActivity especially for RFC and WMC. A high value for RFC means the class calls many different methods and so has a high resposibillity. A high value for WMC means the contained methods are really complex.

This is because we put most of the functionallity in there. Until now a big responsibility of the MainActivity were the different fragments. We now decided to change this and add a new Class 'FragmentHandler' which takes care of everthing concerning the fragments.

By this we are also able to decrease the values for both RFC and WMC because we can move some methods to the new FragmentsHandler and some methods become less complex because we moved some of its functionallity to the handler.

You can take a look at our new FragmentHandler [5]here.

These are our new Metrics:

Ja55	CBO	DIT	LEOM	NOC	RFC	WMG
de knusprig dhbwiewarsessen controller activities Login Activity					52	15
de knusprig dhbwiewarsessen controller activities Main Activity	25.				134	64
de knusprig dhbwlewarsessen controller activities RegisterActivity		8			42	
de knusprig dhbwlewarsessen.controller.activities.SettingsActivity					15	2
de knusprig ahbwiewarsessen controller. FragmentHandler					40	25
de knusprig dhbwlewarsessen controller fragments AbstractRatingsFragment					51:	35
de knusprig dhbwiewarsessen controller fragments AllRatingsFragment					4	
de knusprig dhbwiewarsessen controller fragments CreateRatingFragment					56	13
de knusprig dhbwiewarsessen controller fragments EditRatingFragment					39	7
de knusprig dhbwiewarsessen.controller.fragments.MainPageFragment					29	16
de knusprig dhbwiewarsessen controller fragments. UserRatingFragment					27	3
de knusprig dhbwlewarsessen controller FragmentsEnum						(6
de knusprig dribwiewarsissen httprequest CreateRatingRequest						
de knusprig dhbwlewarsessen littprequest DeleteRatingRequest						
de knusprig dribwiewarsessen httprequest EditRatingRequest						
de knusprig dhbwiewarsessen.httprequest.LoginRequest						
de knusprig dhbwlewarsessen httprequest RegisterRequest						
de knusprig dhizwiewarsessen.httprequest.RetrieveMenuReguest						2
de.knusprig.dhbwiewarsessen.httprequest.RetrieveRatingsRequest						2
de knusprig dhtwiewarsessen model Dish						
de knusprig dhbwiewarsessen.model.Menu						
de knusprig dhbwiewarsessen model Rating						13
de knusprig dhbwiewarsessen model RatingAdapter						
de knusprig dhbwiewinsessen model. User	4					11
de knusprig dhbwiewarsessen.Validation					8	
Total						253
Average	5.68	3.29	1,64	0.08	23.76	10.12

As you can see we were able to decrease its value for RFC and WMC.

We know that we still have a really high value for RFC in our MainActivity. We could change that by extracting more functionallity to seperate classes. For now we decided not to spend more time on this because it would take too much time we need on other topics.

- 1. https://sonarcloud.io/
- $2. \ https://github.com/dhbwiewarsessen/dhbwwe-app/tree/Development/app/src/main/java/de/knusprig/dhbwiewarsessen/controller/fragments$
- 3. https://sonarcloud.io/component_measures?id=dhbwiewarsessen_dhbwwe-app&metric=duplicated_lines&selected=dhbwiewarsessen_dhbwwe-app%3Aapp%2Fsrc%2Fmain%2Fjava%2Fd
- 4. https://plugins.jetbrains.com/plugin/93-metricsreloaded
- $5. \ https://github.com/dhbwiewarsessen/dhbwwe-app/blob/DHBWWE-221/app/src/main/java/de/knusprig/dhbwiewarsessen/controller/FragmentHandler.java$

NILS@KEEPTHINGS (2019-05-29 08:51:54)

Hi, your sonarCloud setup looks really good. I think you did a good job there. What I'm wondering is why did you fail the Quality Gate and do you have a pipeline set up? Also I think you should improve at least two different metrics. Did you see anything which sonarCloud suggests you to improve but think it doesn't have to? Maybe you could talk a bit about that. For your coverage information maybe check this out https://www.sonarcloud.io/documentation/analysis/coverage/. Other than

that, I think you did good this week. Nils

DHBWieWarsEssen (2019-06-01 19:51:47)

Hi Nils, thank you for the comment. We fail the QualityGate, because sonarCloud doesn't get information about test coverage. We did this with Coveralls and didn't want to invest more time into sonarCloud for this because we already had to invest a lot of time into this. We made an update where we talk about more metrics from MetricsReloaded. We also made more improvements based on those metrics. Marcel@DHBWieWarsEssen

KeepTrack (2019-05-29 09:40:59)

Hey guys, good job on eliminating your duplicated lines in your code. Your metrics also look quite good, but of course they are not perfect. Some issues remain in the "Reliability" section, so you should look into that and try to improve your metrics before your finals. Best regards, Nico@KeepTrack

DHBWieWarsEssen (2019-06-01 20:02:23)

Hi Nico, thanks for the comment, we will look into this. We also added more metrics with MetricsReloaded as suggested by Nils, if you want to take a look at those. Marcel@DHBWieWarsEssen

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:56) [...] Metrics [...]

2.3 June

W20 -TechStack and CI (2019-06-03 11:41)

We now finished our setup of our Continues Integration. We decided to use Travis CI. A build is triggered every time a contributor pushes to our Repository on GitHub. You can look at our builds [1]here. You can also check out our [2].travis.yml.

Here you can see our TechStack, which shows the Tools and Technologies we used in our project:



- 1. https://travis-ci.org/dhbwiewarsessen/dhbwwe-app
- 2. https://github.com/dhbwiewarsessen/dhbwwe-app/blob/master/.travis.yml

W22 - Final - DHBWieWarsEssen (2019-06-30 18:34:00) [...] Travis CI [...]

W21 - Installation (2019-06-12 08:07)

Today we want to show you how to install our app on your device.

To install the Android Application, just download the [1].apk published on our repository and run it. You may have to enable installation from unknown sources on your device.

If you also want to setup your own server, please read the installation guide on our [2]repository. You can select your server from the app using the settings. You can access the settings by clicking the three dots in the top right corner.

- 1. https://github.com/dhbwiewarsessen/dhbwwe-app/releases/tag/v0.1
- 2. https://github.com/dhbwiewarsessen/dhbwwe-server

CodeCrunch (2019-06-12 11:39:44)

The App itself works great and the Installation is a breeze. Creating an account is straight forward, as is the overall navigation. We created 2 test entries and they instantly appeared on the second device. Screenshot: https://fckaf.de/mkF Editing and deleting ratings is also working. The only thing i was missing is being put back to the Main page when you press the back button. We are still working on implementing our own server, we will keep you updated with that.

CodeCrunch (2019-06-17 12:01:34)

We have now created our own server. This process wasn't as straight forward, but still doable.

W22 - Final - DHBWieWarsEssen (2019-06-30 18:33:53) [...] Installation [...]

W22 - Final (2019-06-30 18:12)

Requirements

- [1]UC-Diagram
- [2]All UseCases
- [3]SRS

Testing

- [4]Test Plan
- [5]Feature Files
- [6]Cucumber Running Proof
- [7]Test Log
- [8]Unit Tests
- [9]Test Coverage
- [10]Third Test (User Test)

Project Management

- [11]YouTrack
- [12]FP-Estimation (on first tab 'Tabelle 1')
- [13]FP-Calculation (on second tab 'Tabelle 2')
- [14]Cumulative Flow Chart (Workflow)
- Burndown Charts
 - [15]Sprint Const #7
 - [16]Sprint Const #8
 - [17]Sprint Const #9
 - [18]Sprint Const #10
 - [19]Sprint Const #11
- Hours per Teammember
 - [20]Semester 3
 - [21]Semester 4

- [22]Total
- Hours per Usecase
 - [23]Semester 3
 - [24]Semester 4
 - [25]total

Ability to Execute

- [26]Code
- [27]Installation

Quality

- [28]Architecture
- [29]SAD

Configuration Management / Environmental Setup

- [30]Metrics
- [31]Risk Management
- Automated Testing
 - [32]Cucumber
 - [33]Travis CI
- [34]Pattern

Other

- [35]Presentation
- Blog as PDF
- [36]Teaser Video

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2. https://github.com/dhbwiewarsessen/dhbwwe-documentation/tree/master/UseCases
3. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/SoftwareRequirementsSpecification.md
4. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/TestPlan.md
5. https://github.com/dhbwiewarsessen/dhbwwe-app/tree/master/app/src/androidTest/assets
6. https://dhbwiewarsessen.wordpress.com/2018/12/22/week-10-cucumber-running/
7. https://dhbwiewarsessen.wordpress.com/2019/04/30/w15-unit-testing/
8. https://dhbwiewarsessen.wordpress.com/2019/04/30/w15-unit-testing/
9. https://dhbwiewarsessen.wordpress.com/2019/05/20/w18-testing/
10. https://dhbwiewarsessen.wordpress.com/2019/05/20/w18-testing/
11. https://dhbwiewarsessen.myjetbrains.com/youtrack/issues
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    https://studentdhbwkarlsruhede-my.sharepoint.com/:x:/g/personal/huber_marcel_student_dhbw-karlsruhe_de/E
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14. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/cumulativeFlow/119-1
15. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-12
16. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-11
17. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-10
18. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-9
19. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/burndown/130-8
20. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-0?line=user
21. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-2?line=user
22. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-5?line=user
23. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-1
24. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-4
25. https://dhbwiewarsessen.myjetbrains.com/youtrack/reports/time/147-6
26. https://github.com/dhbwiewarsessen/dhbwwe-app/archive/v0.1.zip
27. https://dhbwiewarsessen.wordpress.com/2019/06/12/w21-installation/
28. https://dhbwiewarsessen.wordpress.com/2018/12/02/week-9-mvc/
29. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/Software%20Architecture%20Document.md
30. https://dhbwiewarsessen.wordpress.com/2019/05/28/w19-metrics/
31. https://dhbwiewarsessen.wordpress.com/2019/04/03/week-13-risk-management/
32. https://dhbwiewarsessen.wordpress.com/2018/12/22/week-10-cucumber-running/
```

33. https://dhbwiewarsessen.wordpress.com/2019/06/03/w20-tech-stack-and-ci/34. https://dhbwiewarsessen.wordpress.com/2019/05/19/w16-design-patterns/

35. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/SE-Final-Presentation.pdf

1. https://github.com/dhbwiewarsessen/dhbwwe-documentation/blob/master/UseCases/UC%20Diagram.png

56

36. https://youtu.be/Sf5BmsZEIxA



 ${\tt BlogBook\,v1.1,}\\ {\tt ETE} {\tt X\,2}_{\mathcal E}~\&~{\tt GNU/Linux.}\\ {\tt https://www.blogbooker.com}$

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