

Week 12: We here. We back.

 blog.bookly.online

admin

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Hello there,

After taking a break, we are back to rise to the top. We are back to conquer the world, to fulfill the dream of having a book we can look at 20 years later, just to look at our beloved friends and their dreams inside this book to rediscover our childhood.

We are **BACK** to finish what we've started.

Plans & Changes

There is still a lot of work ahead of us. This week we focused on getting back to the project, getting used to the workflow, finding out what we did the last time and we even tried to fix our sleep schedule.

Since last time, there have also been a lot of changes behind the curtain. We completely revamped our security system, thus making login and registration as safe as possible using *Keycloak*.

In addition, we moved our website to another server (don't worry, the name of the website still remains the same). On this server we also added more subdomains, most notably the **dev** subdomain on which we will deploy our current development status.

This decision has been made to provide a efficient and proactive workflow.

Keycloak – more security!



During the last weeks before the theory phase we decided to outsource the identity management to a separate server. For this we use Keycloak, which is available online at keycloak.bookly.online. It allows us to centrally manage user data, easy extensibility of login and registration forms, easy integration of social identity providers, and better security than if we had to implement it ourselves. For this purpose, a redirect to our keycloak server is performed when accessing protected pages. After authentication, our clients are issued user information and a token. The token can be used for further API requests. The integration was unfortunately a bit time consuming, but now we are excited about Keycloaks features. You can find more information here: keycloak.org or simply write a comment with questions. We are looking forward to any technological discussion.

Server changes!

As web server for all (sub-) domains we use an Apache2. Our CI was of course also changed. Currently, we start simple JARs, which are started by a system service. In the next week we will move to Docker Container and adjust the system services.

Here are the our updated important links to our website:

- dev.bookly.online
- keycloak.bookly.online
- bookly.online

Documentation

This week we also worked on documentation and design patterns. We finished our use cases! The picture shows our overall use case diagramm. You can find the documents listed below:



Overall Use Case Diagramm

Use Cases for the second semester

- UC 7: Share link, visibility & invite
- UC 8: Manage Page Decorations
- UC 9: Manage Cover Decorations
- UC 10: NavigateFooter

- UC 11: Navigate Header
- UC 12: Operate Account

Riskmanagement

To be prepared for any potential risks we've done some risk management to be aware of unfortunate incidents which might occur. You can see a screenshot below as well as find it on [GoogleSpreadsheets](#).

		1 to 100	1 to 10			
Risk Name	Risk Description	Risk Probability of Occurrence	Risk Impact	Risk Factor	Risk Mitigation	Person in Charge of Tracking
Time	not enough time to fulfill every task	50%	9	4,5	finish work ahead of time for the next week; keep up to date with team members	Everyone
Technical difficulties	difficult bugs or laptop gets lost	65%	6	3,9	back up laptop/ code; get support from team members; look for alternative implementation	Everyone
Code quality	bad coding slows or breaks the application	30%	4	1,2	Code reviews; Ide code checks; Testing	Nico
Internet Provider	no internet connection due to unitymedia	25%	3	0,75	contact Internet Provider to fix issue	Alexandra
Corona	2 Weeks of sick leave because of quarantine	10%	2	0,2	stay at home; team picks up tasks of sick person	Everyone
Hacked Server	server gets hacked by third party	9%	6	0,54	HTTPS; secure passwords	Jeanne
Database Corruption	Database gets accessed by third party	5%	4	0,2	Secured by strong password; setup new database if data gets corrupted	Alexandra

Time Spent on UCs

To summarize the work we've done so far and the time spent, we created a time table, which should give you a good overview. You can see a screenshot below as well as find it on [GoogleSpreadsheets](#).