



Willkommen zu Locster : Soziales Netzwerk

Gliederung

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- Idee
- Projektstruktur
- Klassenmodell
 - User
 - Guestbook
 - Chat
 - Friends
 - Utility
 - Exceptions
- Junit test
- Lessons Learned



Locster

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GitHub Repository: <https://github.com/fh-erfurt/Java1-Locster>



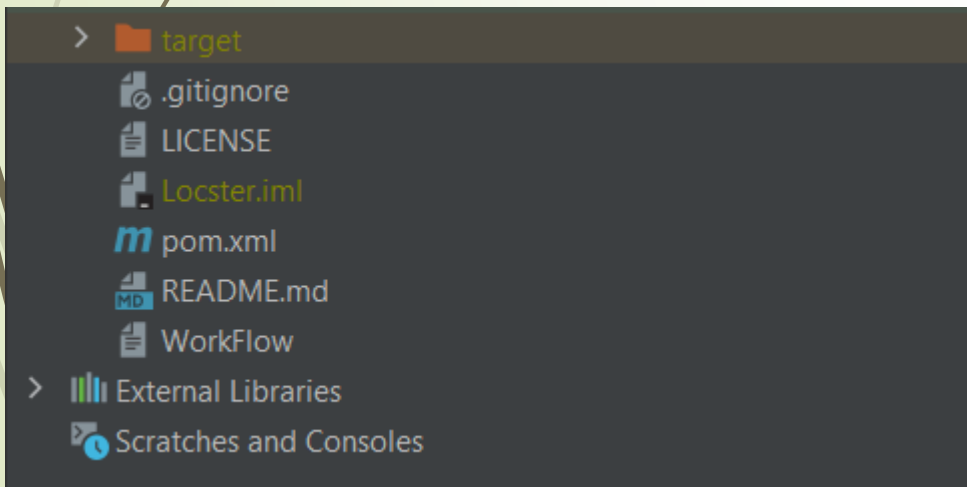
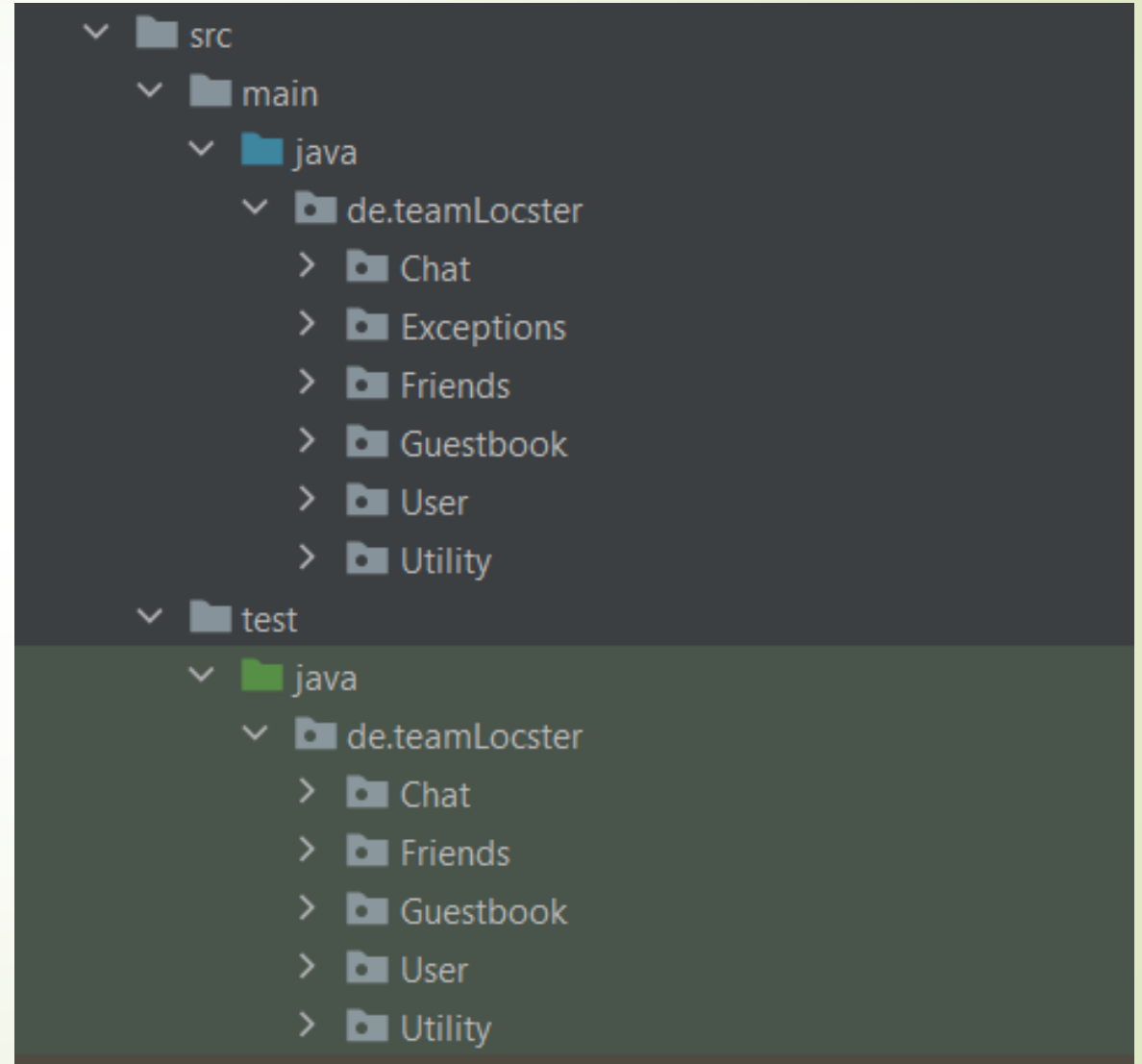
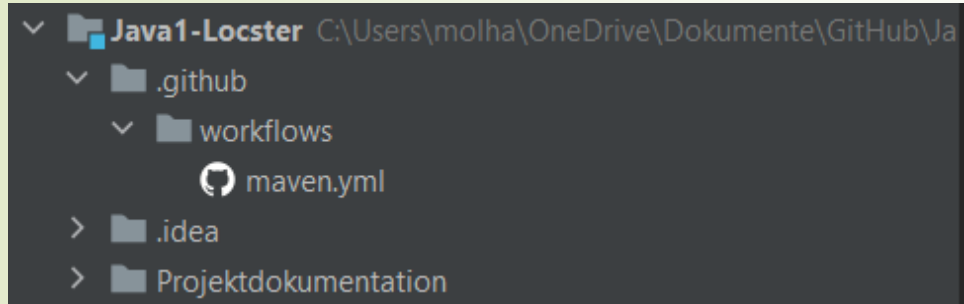
Idee

Soziales Netzwerk mit folgenden features:

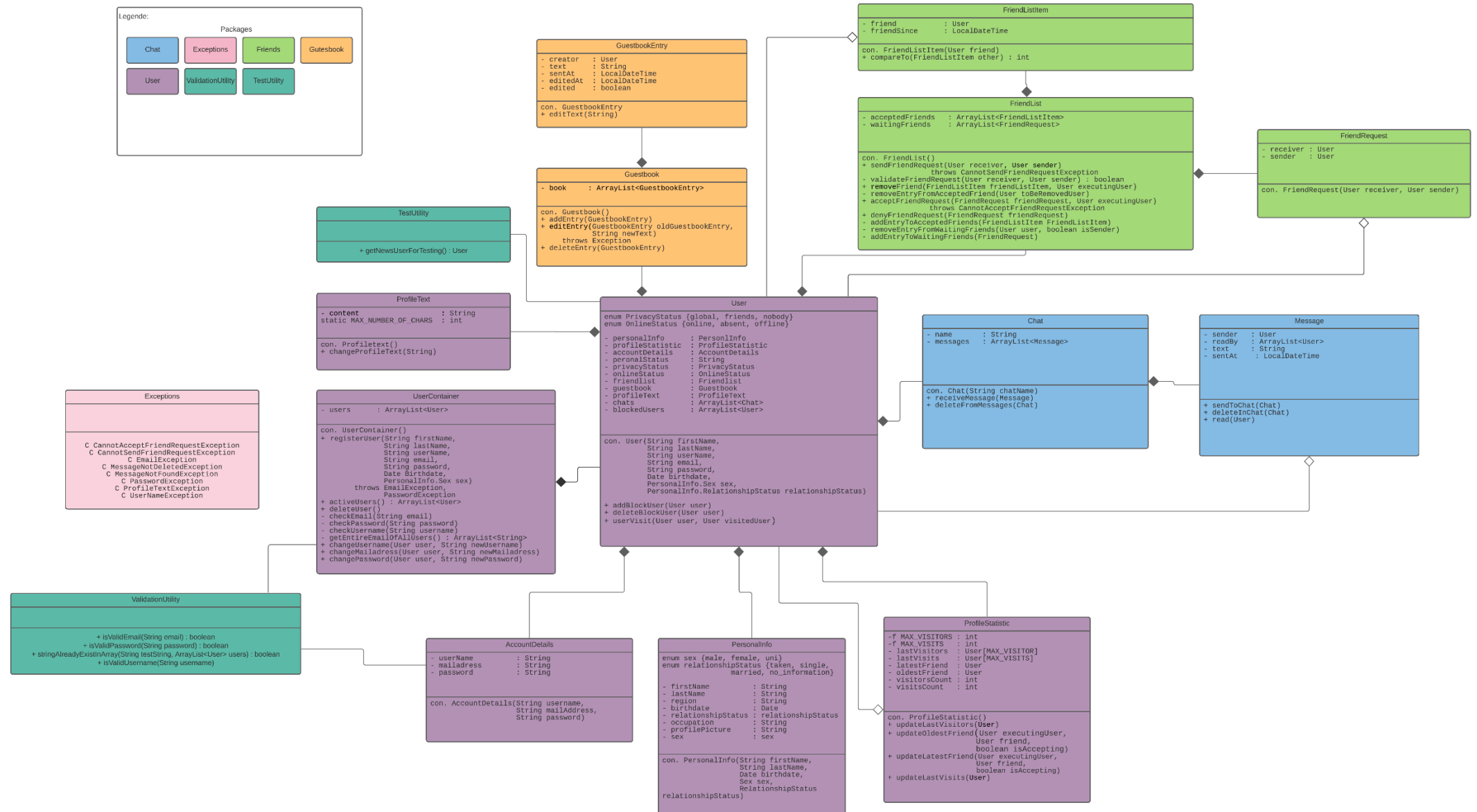
- Chatfunktion
- Freundschaftsanfragen verschicken und akzeptieren
- User registrieren
- Profilstatistiken automatisch updaten
- Profiltext bearbeiten
- Gästebucheinträge schreiben



Projektstruktur

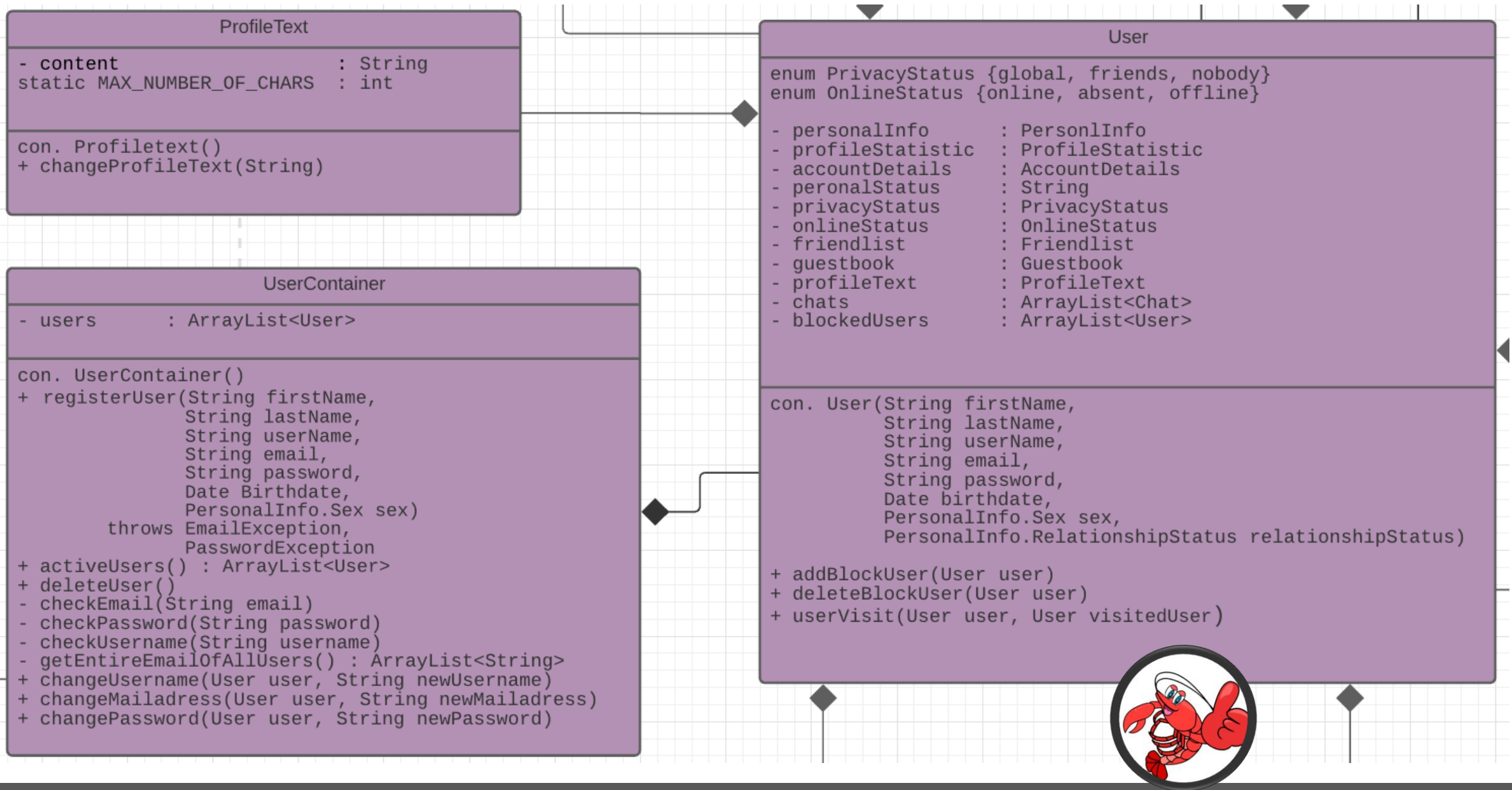


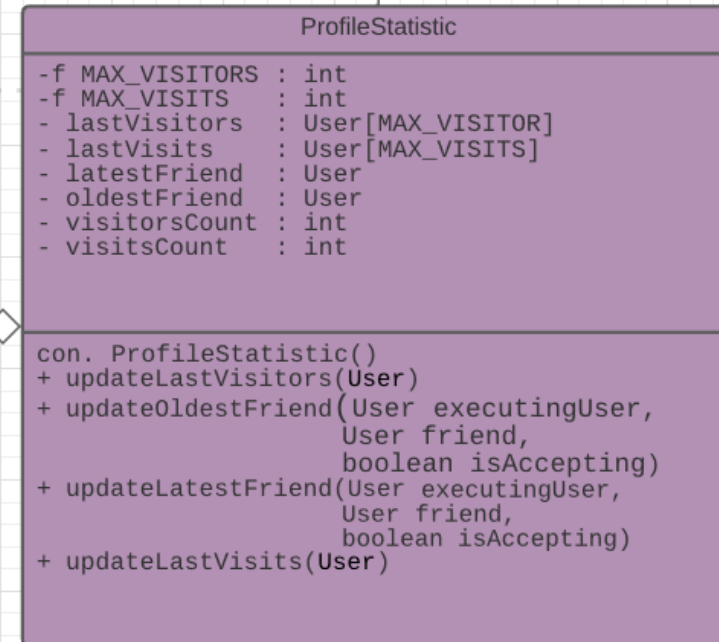
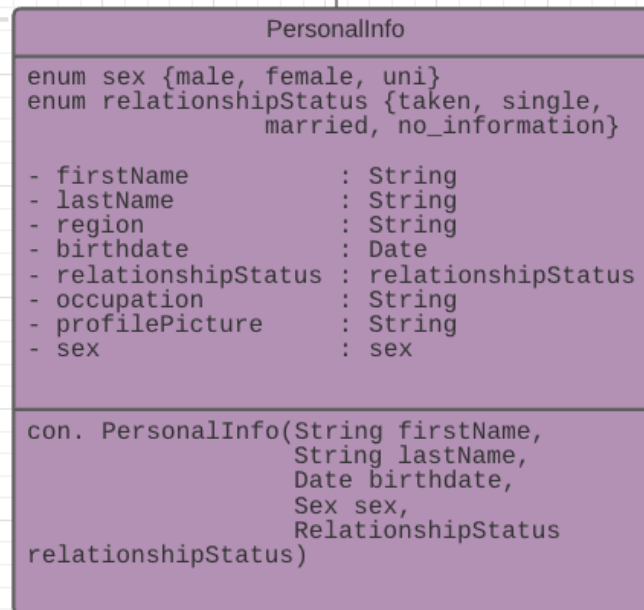
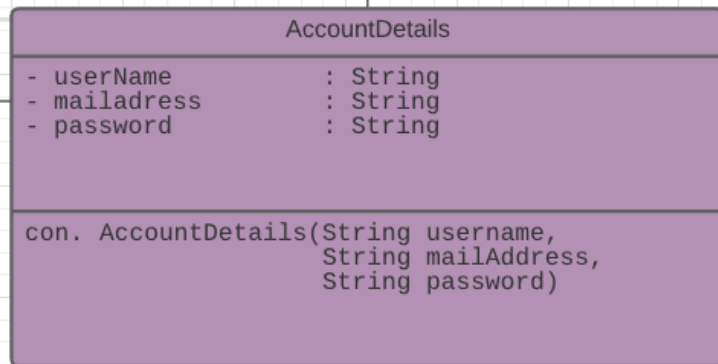
Klassenmodell



Userverwaltung

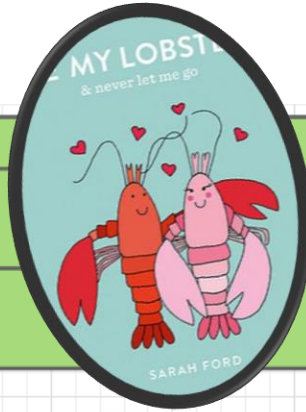
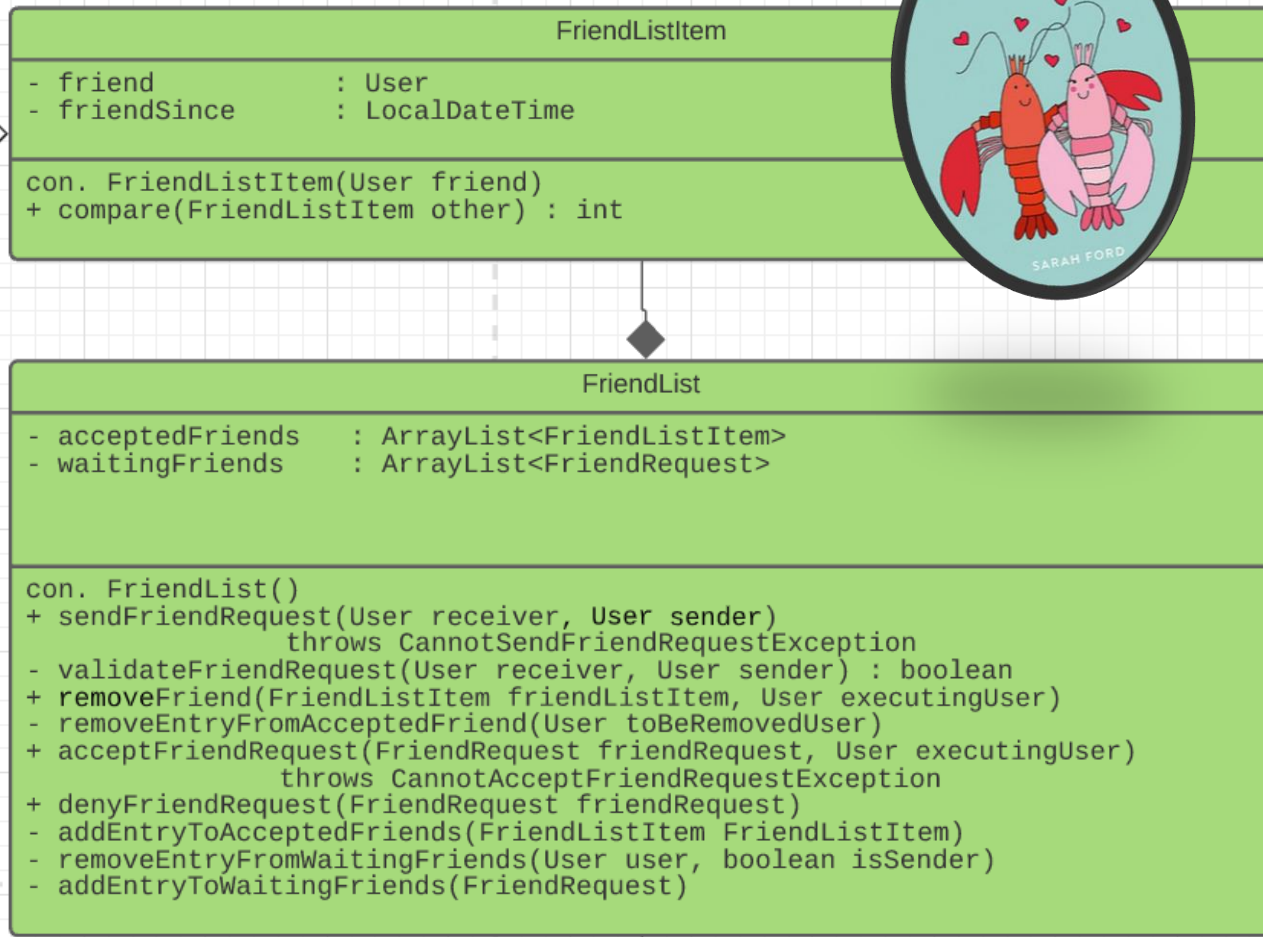
Locster





Friendsverwaltung

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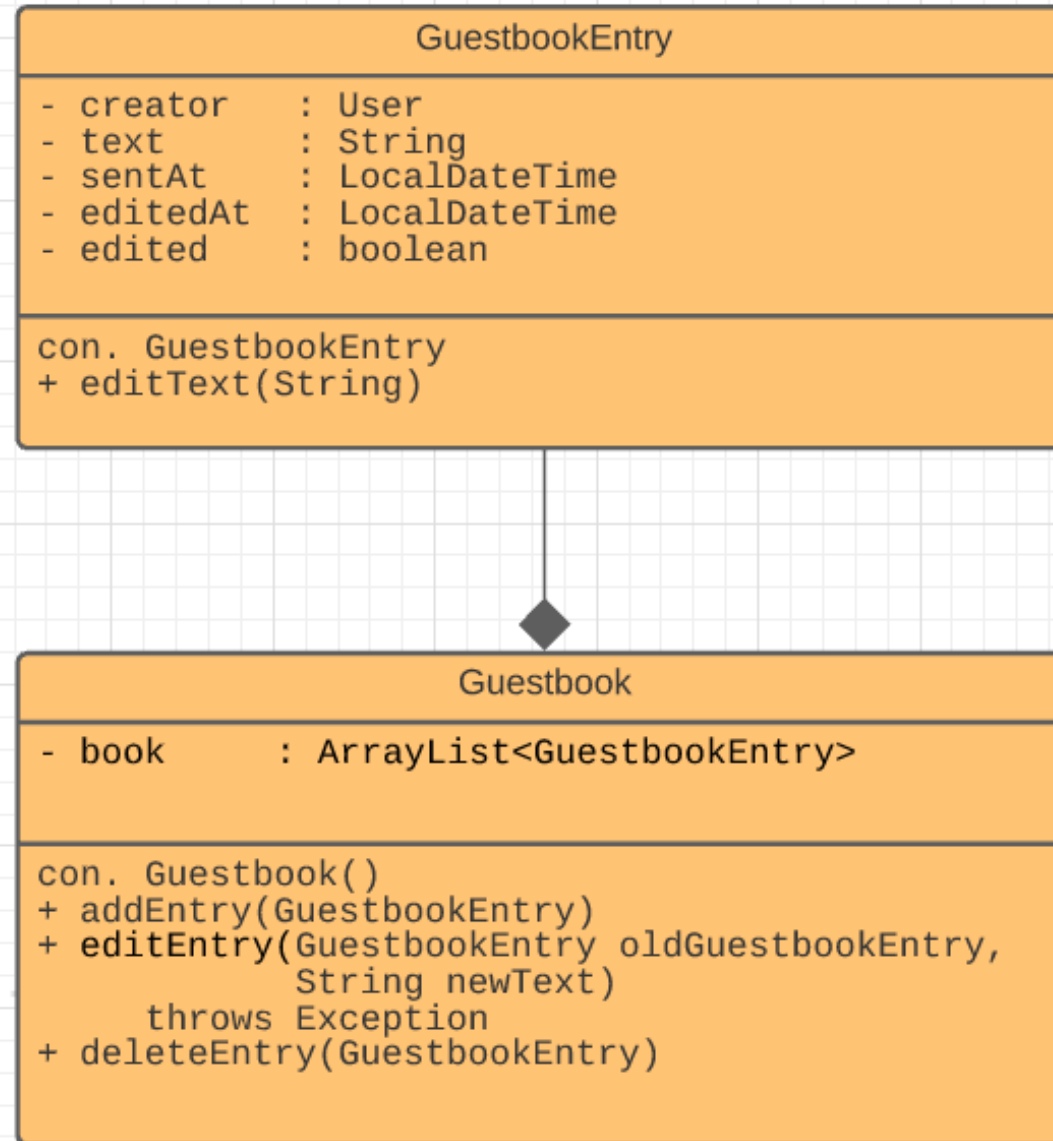


FriendList ist der Mittelpunkt mit allen Funktionalitäten.

- in **acceptedFriends** befinden sich bestätigte Freunde
 - in **waitingFriends** befinden sich Freundschaftsanfragen
- Funktionalitäten:
- Freundschaftsanfragen schicken
 - Freundschaftsanfragen akzeptieren/verweigern
 - Freund entfernen
 - Einschränkungen/Ausnahmen wurden bedacht

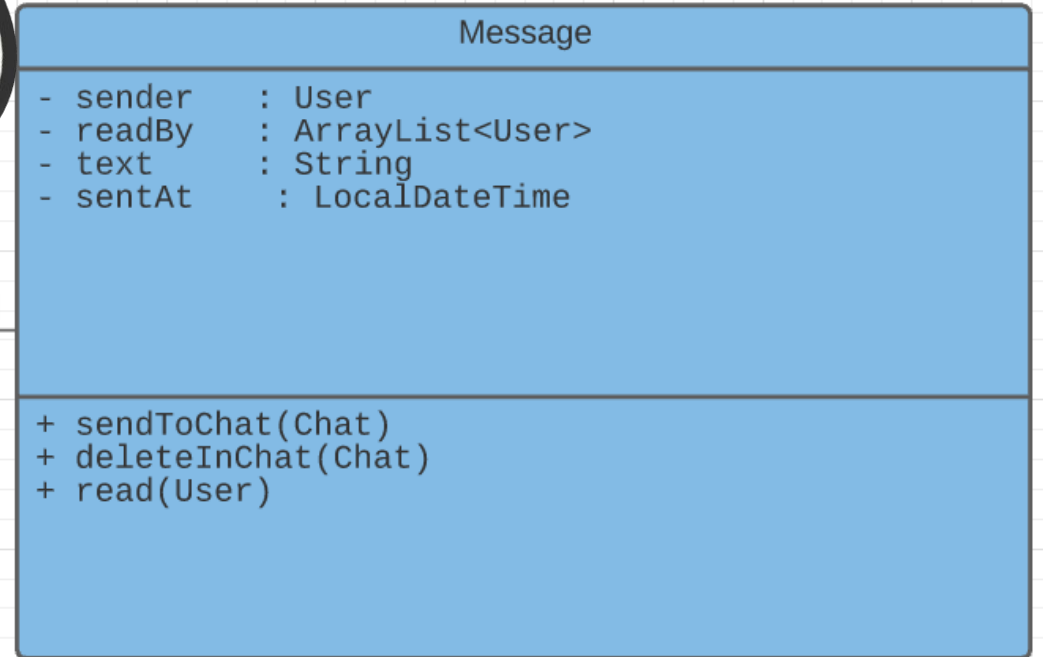
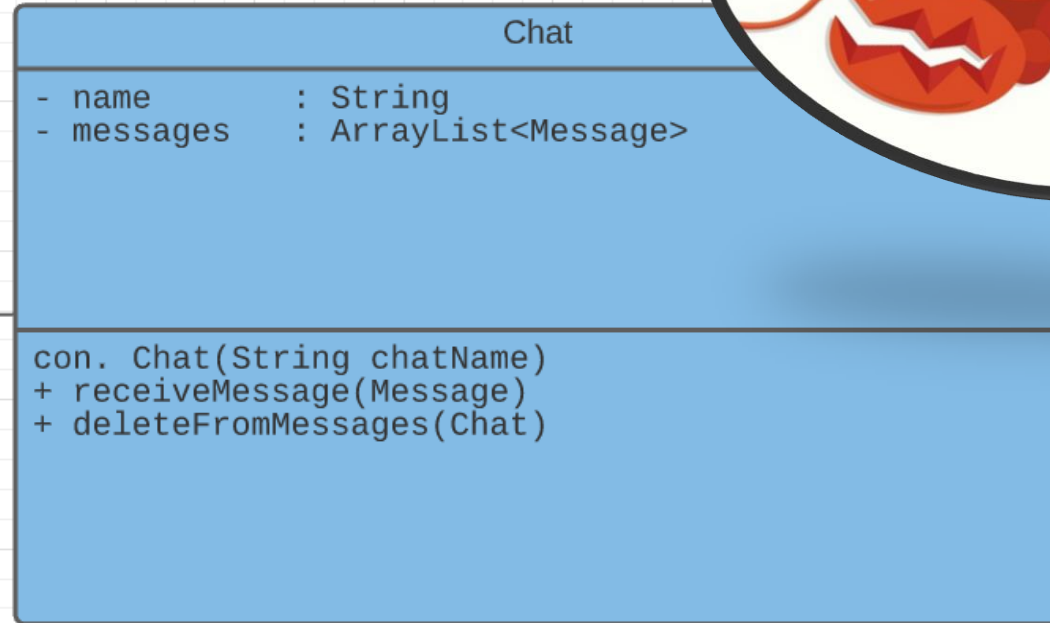
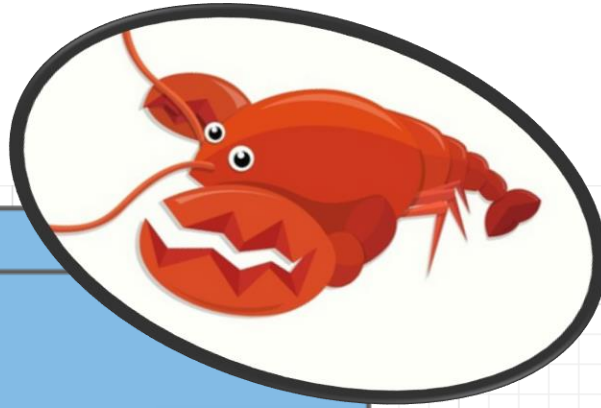
Guestbook-
verwaltung

L**enster**



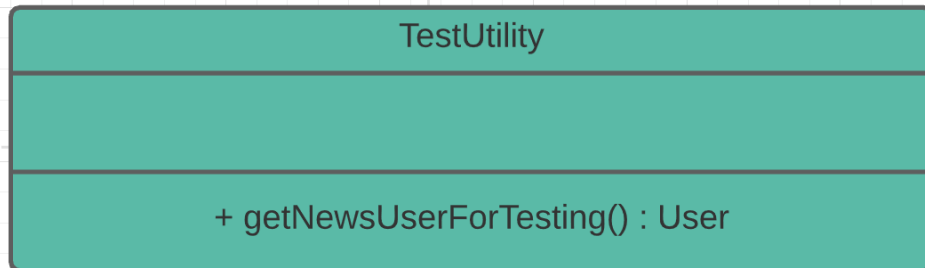
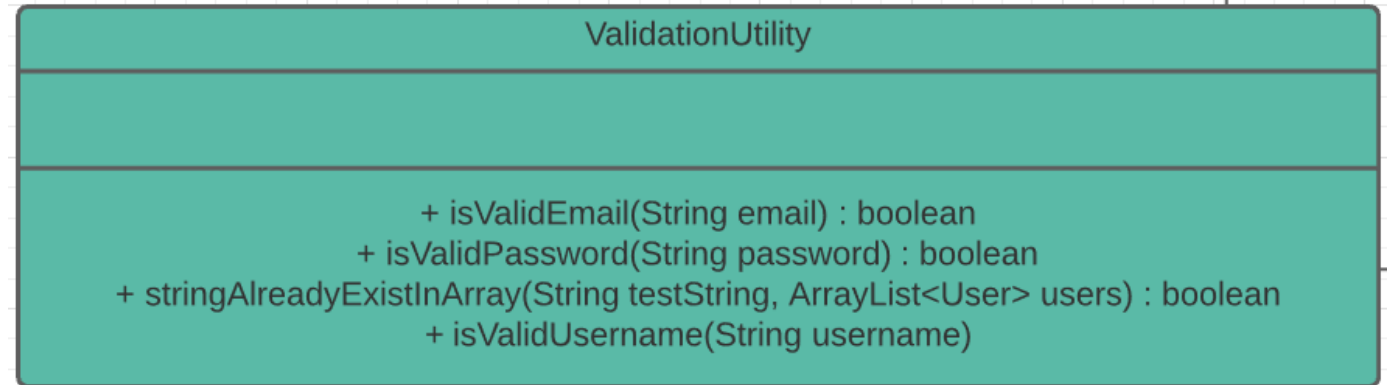
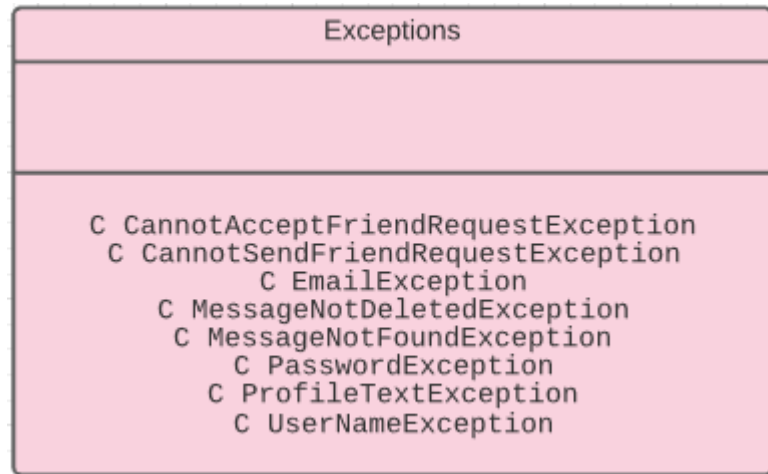
Chatverwaltung

Locster



Utility &
Exceptions

L**enster**



✓ Tests passed: 50 of 50 tests – 160 ms

- ✓ ProfileStatisticTest
 - ✓ should_increase_totals_value_by_one()
 - ✓ should_return_new_visitors()
 - ✓ should_return_new_Visits()

- ✓ ChatTest
 - ✓ chat_should_receive_message()
 - ✓ should_create_a_chat_room()

- ✓ AccountDetailsTest
 - ✓ should_change_mailadress_to_bjoernathotmailde()
 - ✓ should_change_password_to_wurstwasser()
 - ✓ should_change_username_to_mickey()

- ✓ ValidationUtilityTest
 - ✓ should_test_password()
 - ✓ should_check_if_email_is_already_in_use()
 - ✓ should_test_email()

- ✓ PersonalInfoTest
 - ✓ should_change_region()
 - ✓ should_change_profilePicture()
 - ✓ should_change_occupation()
 - ✓ should_change_relationshipStatus()

- ✓ GuestbookTest
 - ✓ when_deleted_entry_should_not_be_found_anymore()
 - ✓ when_edited_entry_should_have_new_text_flag_and_time()
 - ✓ added_entry_should_appear_in_guestbook()

- ✓ MessageTest
 - ✓ message_should_contain_given_text()
 - ✓ message_should_be_saved_to_and_deleted_from_given_chat()
 - ✓ comparing_datetime_should_return_relative_value()

Testen ist geil!



- ✓ UserContainerTest
 - ✓ should_change_password_from_user() 44 ms
 - ✓ should_throw_PasswordException()
 - ✓ force_email_already_exist_exception()
 - ✓ force_email_invalid_exception()
 - ✓ should_change_username_from_user() 15 ms
 - ✓ should_delete_user() 32 ms
 - ✓ activeUser_should_contain_all_active_user() 15 ms
 - ✓ should_test_if_email_is_correct_and_unique()
 - ✓ should_test_if_password_is_valid() 16 ms
 - ✓ should_change_email_from_user()
 - ✓ should_store_all_emails_in_one_list() 6 ms
 - ✓ should_register_max_mustermann()

- ✓ FriendListTest
 - ✓ should_accept_friend_request_with_more_users()
 - ✓ should_deny_friend_request_from_userA()
 - ✓ should_deny_friend_request_from_userB()
 - ✓ should_remove_accepted_friend_from_userA()
 - ✓ should_remove_accepted_friend_from_userB()
 - ✓ should_throw_CannotAcceptFriendRequestException()
 - ✓ should_accept_friend_request()
 - ✓ should_send_friend_requests_with_more_users()
 - ✓ should_return_correct_sender_and_receiver()
 - ✓ should_remove_accepted_friend_with_more_users()
 - ✓ should_send_friend_request()
 - ✓ should_throw_CannotSendFriendRequestException()

- ✓ UserTest
 - ✓ should_add_User_to_blocked_Users()
 - ✓ should_print_a_user()
 - ✓ should_delete_user_out_of_blocked_users()
 - ✓ should_change_privacy_status()



Testen ist geil



Projektstrukturierung



Feste Aufgabenverteilung



Objektstruktur ohne Anwendung



Umgang mit Github



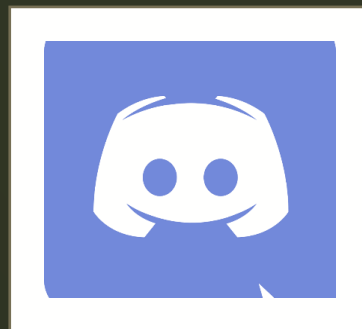
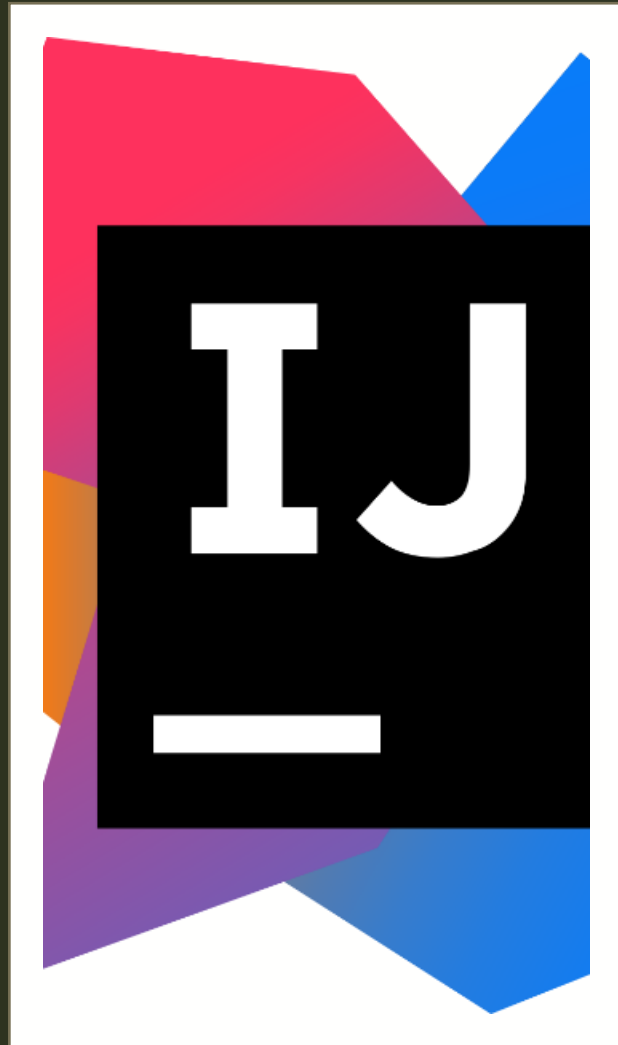
Kleinigkeiten sind keine Kleinigkeiten



Grundlagen Java



Lessons
Learned



Tools

- IntelliJ IDEA
- Maven
- Junit 5
- Lucidchart
- Miro
- Discord
- GitHub

Danke für ihre Aufmerksamkeit

