Textify Status

Textify Log

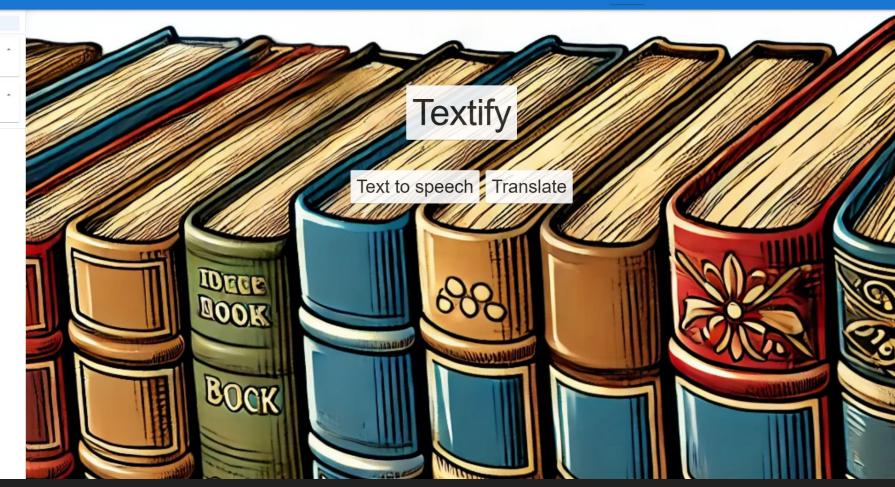
Home

Book Library

Library

Translate

Translate



Status of components

- Frontend in progress (translation, ocr and login are being integrated)
- Backend api in progress (also already secured with https and authentication in progress)
- Backend part for translations almost done (Documentation and User testing in progress)
- Backend part for ocr in progress (basic structure existing)
- Backend part for tts in progress
- Exports are progress (for now via txt-file)
- A way to deploy later on is already realised (docker, docker-compose)

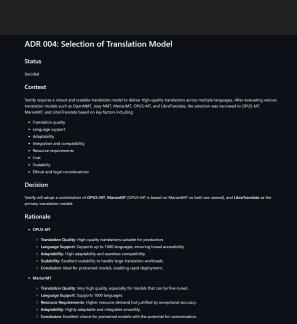
Teamwork

- 2-3 meeting per week on Discord.
- Pair-Programming when there are problems.
- Joint testing of the application.
- Documentation via Github-Repo-Branch and Kanban-Board.
- Major decisions are only made or voted on together.

Architecture Decision Record

We came up with the following ADRs:

- ADR_1 Backend/Frontend (React/Flask-RestFul)
- ADR_2 Database (MongoDB)
- ADR_3 OCR (docTR/EasyOCR)
- ADR 4 Translation (LibreTranslate/OpusMT)
- ADR_5 Deployment
- ADR_6 ReverseProxy for LibreTranslate



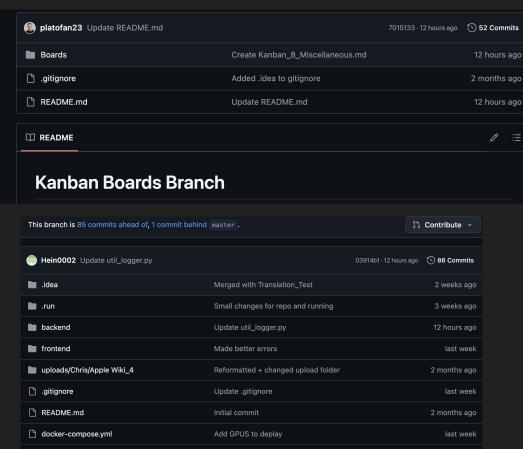
Tools and Services - Python

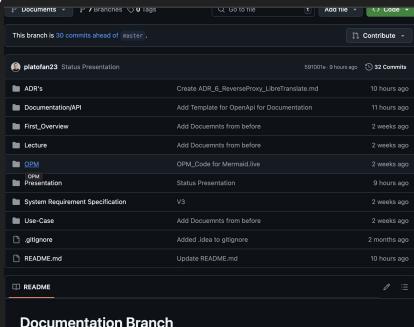
```
class LoginUser(Resource): 4 usages # Hein0002 +1
parser = reqparse.RequestParser()
    parser.add_argument( "args: 'Username', location='headers', required=True, help="Username is required")
    parser.add_argument( "args: 'Password', location='headers', required=True, help="Password is required")
    args = parser.parse_args()
    username = args['Username']
    password = args['Password']
        user = collection.find_one({'Username': username})
        if user and ph.verify(user['Password'], password):
            if random() <= 0.1:
                Thread(target=delete_expired_keys).start()
            response = {'Message': 'User logged in successfully', 'Username': username,
                        'AuthorizationKey': add_key(username)}
            return make_response( *args: response, 200)
        return 'Username or password not found', 401
    except Exception as e:
        return {'error': f'Error occurred: {str(e)}'}, 500
```

Tools and Services - Vite + React + TS/Quill/JS

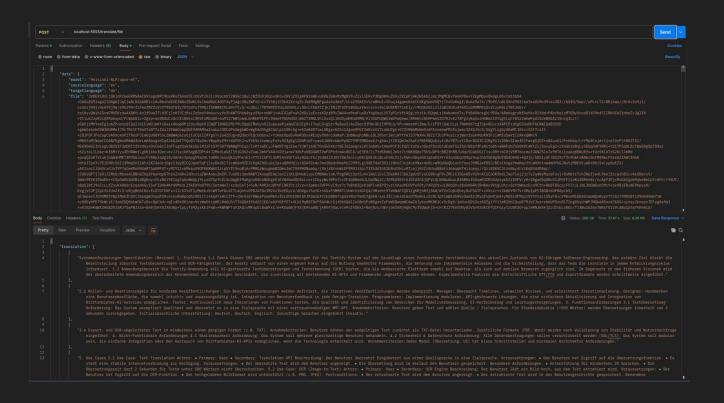
```
export default function Menu({
setUser,
children,
setUser: (fn: User | null) => void
user: User | null
children: React.ReactNode[]
const navigate = useNavigate()
const location = useLocation()
const path = location.pathname.slice(1)
     <Box sx={{ display: "flex" }}>
         <CssBaseline />
         <AppBar position="fixed" sx={{ zIndex: (theme) => theme.zIndex.drawer + 1 }}>
                <Typography variant="h6" noWrap component="div">
                    Clipped drawer
                </Typography>
                <SignIn setUser={setUser} user={user} />
         </AppBar>
         Orawer
             variant="permanent"
                width: drawerWidth,
                flexShrink: 0,
                [`& .MuiDrawer-paper`]: {
                    width: drawerWidth,
                    boxSizing: "border-box",
            <Toolbar />
```

Tools and Services Git and Github

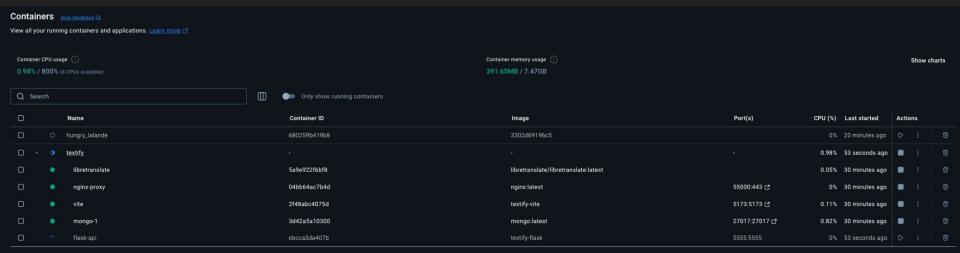


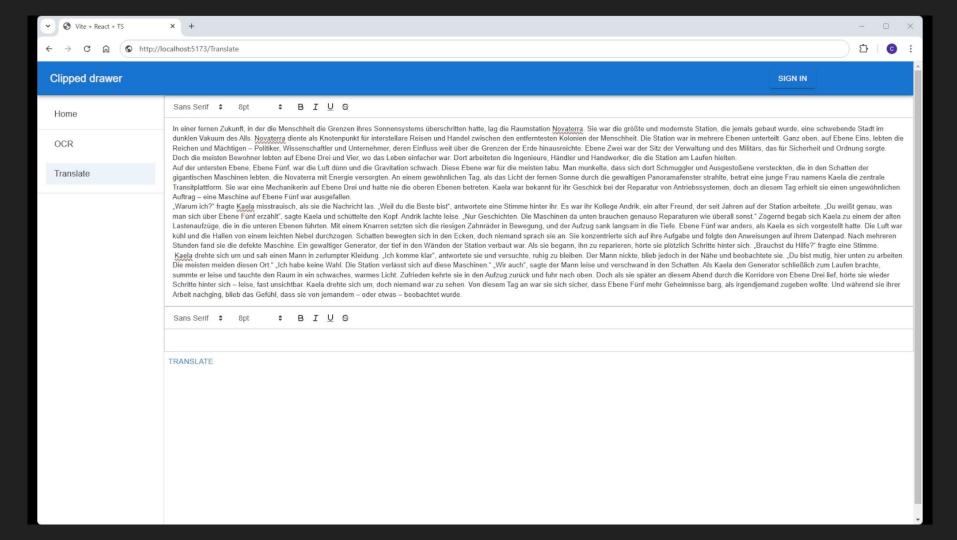


Tools and Services - Postman



Tools and Services Docker





Potential Risks and Problems

- OCR-and Translation-Models are not Perfect.
- Technological barriers (ARM, CUDA, Performance).
- Dependencies between tasks.
- Inadequate resources.
- Unclear priorities.
- Different working styles.