px: PEAX Command Line Client

Wirtschaftsprojekt

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Problemstellung

```
curl -X POST -H "Cache-Control: no-cache" \
     -H "Content-Type: application/x-www-form-urlencoded" \
     --data "grant_type=password&client_id=peax.portal& ↵
     username=683.4839.1914.79&password=Geheim" \
     https://sv-idp-keycloak-test.osapps.peax.ch/auth/ ↵
     realms/peax-id-test/protocol/openid-connect/token \
     | jq -r .access_token > access-token
curl -X POST -H "Authorization: Bearer $(cat access_token)" \
     -H "Content-Type: multipart/form-data; charset=UTF-8" \
     -F "document=@document.pdf;type=application/pdf" \
     -F "@meta.json;type=application/json" \
     https://sv-oauth-proxy-test.osapps.peax.ch/document/ ↵
     api/v3/account/683.4839.1914.79/collection/upload
```

Ziel

```
px login -e test -u patrick.bucher@stud.hslu.ch
px upload document.pdf -meta metadata.json
```

Projektart

Software- und Produkt-Entwicklung

- Schwerpunkte
    - Software-Erstellung: px (*PEAX Command Line Client*)
    - Human Computer Interaction Design
- Vorgehensmodell
    - hybrid
    - inkrementell (Scrum)
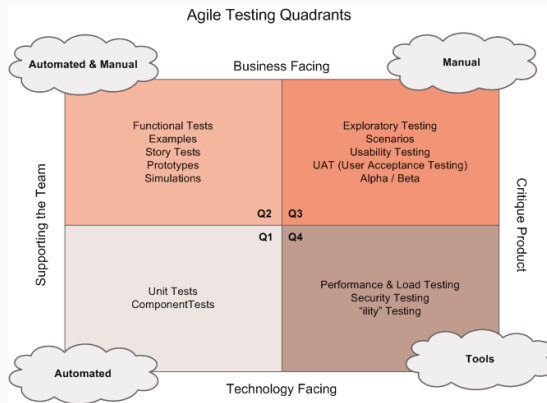   - mit fachlichen Meilensteinen

Agile Testing Quadrants

Abbildung 1: Agile Testing Quadrants
(https://lisacrispin.com/2011/11/08/using-the-agile-testing-quadrants/)

Testkonzept

- Q1: Automated (lokal, CI-Umgebung)
  - Unit Tests
  - Component Tests
- Q2: Automated & Manual (persönlich, gegen API)
  - Skripts
  - Story Tests
- Q3: Manual (Mitarbeiter, gegen API)
  - Usability Testing
  - User Acceptance Testing
- Q4: Tools (lokal, CI-Umgebung)
  - Benchmarks
  - Linting