

Backend views

Course

Packages

Levels

Tasks

Exercise generation

Answer validation

User info

User round data

Activity log

User activity:

- round #
- task # per round
- Level #
- task

Frontend

Frontend views:

Course view

- Get packages
- Get levels for each package

Task view

- Request task for level
- Request exercise for task

Exercise submissions

- count round steps
- collect input
- send to backend
- present results
- ... repeat?

Level summary

- collect stats for level + round

Session data? - round exercise count and other temporary stuff

Exercise interactions - student

User interactions / templates:

Course

Package 1

- Level 1
- Level 2
- Level 3

(Package 2)

- View list of packages and levels + level progress

Q: word

A: _____

Submit

100

- (level:)
- Start answering questions

Q: word

A: words OK!

(feedback)

100

- View or add new answer, get feedback

80%

Next

things to look at: Save?

- View round summary
- proceed to next level

- OR
- repeat level with new round if necessary