Quiz-R-Us

# I) Intro

A website for people to create, share and solve quiz/tests.

* 3 kinds of users:
  + (D) Quiz developers -> goal: create quiz template, not write questions and answers, decide length and score system, release a quiz template to be populated by creators (see section 2 for details)
  + (C) Quiz creators -> goal: clone existing template and create a new quiz, write questions and answers for each question, perhaps add visuals; publish a quiz and get feedback (and statistics) about solvers; ask for new kind of templates to developers
  + (P) Quiz players -> goal: find a quiz, solve it perhaps multiple times to improve score, send feedback to quiz creators; show results to other players; practice to learn or memorize something
* Challenges:
  + the site should be mobile-first
  + simple visualization and overview of quizzes for all 3 kinds of users
  + ease of use for the 3 kinds of users

# 2) What can a quiz template specify?

The developer in charge of a new quiz template could decide:

* number of questions
* number of possible answers per questions
* images:
  + no images, just text
  + images for questions
  + images for answers
  + images for both
* timing:
  + no timing
  + just measure time for entire test
  + time to answer a question
* score system:
  + total number of right and wrong answers
  + a score with points for each question, depending on answer
  + (more?)
* Feedback
  + nothing until the test is finished
  + immediate feedback after each question is answered
* Type of quiz:
  + (self)test knowledge (goal: maximize points, example <http://driving-tests.in/learners-licence-practice-test-1/> )
  + place you in a category (example <http://animalinyou.com/> )
  + survey (goal: collect info about player preferences, not necessary to have categories to start with, example google forms <https://www.google.com/forms/about/> )

# 3) Related work and resources

* It takes three (article accepted at ECGBL 2016)
* Writing Good Multiple Choice Test Questions <https://cft.vanderbilt.edu/guides-sub-pages/writing-good-multiple-choice-test-questions/>
* STATISTICAL ANALYSIS OF MULTIPLE CHOICE EXAMS <http://chemed.chem.purdue.edu/chemed/stats.html>

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