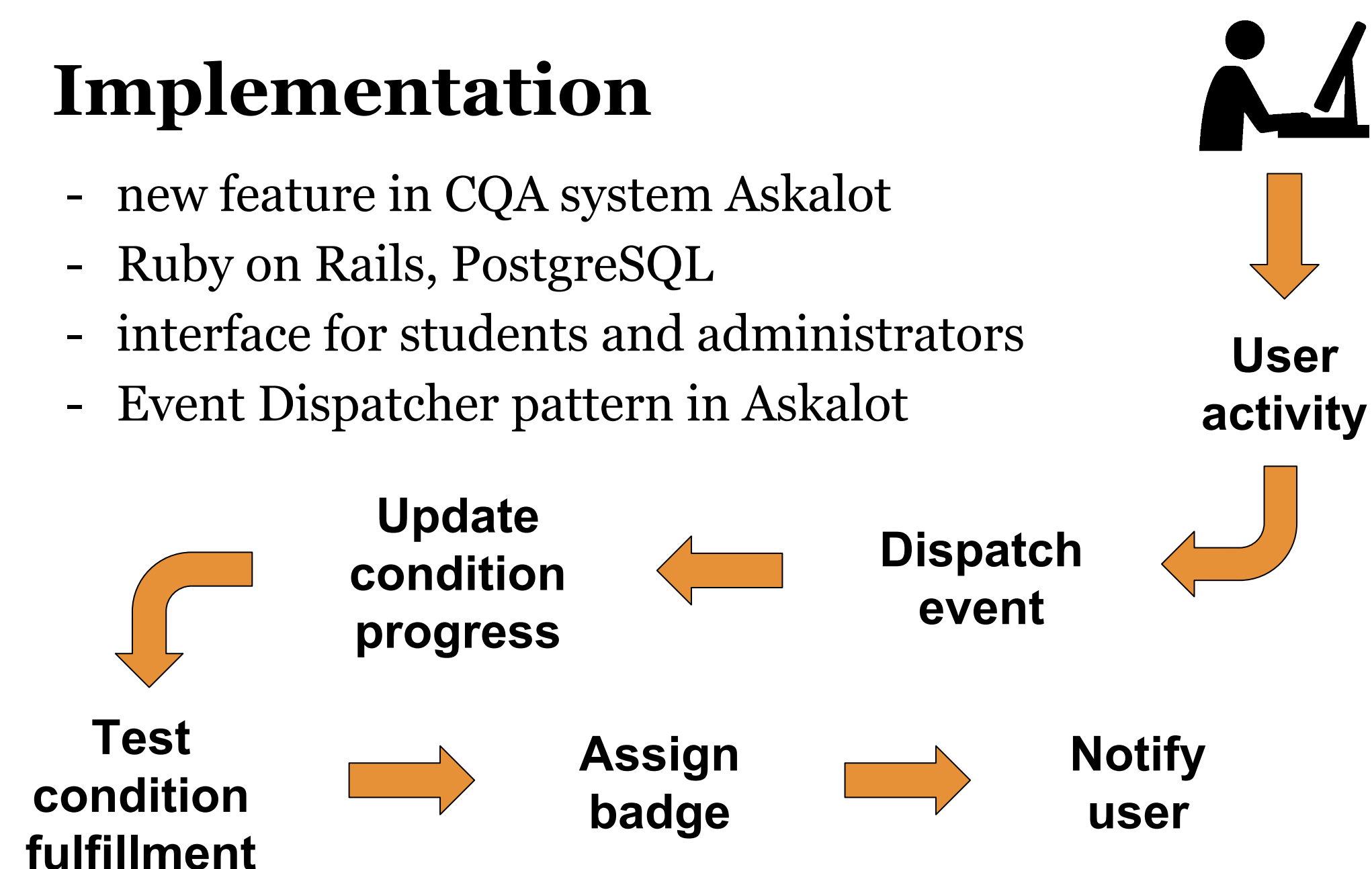## Problem

- low activity in Askalot
- small user base

Solution

- motivate students
- gamification
- badges

Implementation

- new feature in CQA system Askalot
- Ruby on Rails, PostgreSQL
- interface for students and administrators
- Event Dispatcher pattern in Askalot

Educational domain

- term split into weeks
- collaboration with teachers
- means for teachers to monitor student activity in Askalot
- possibility to connect badges with real-world rewards
- competitiveness among students

Contribution

- new approach to badge design
- combined gamification in educational domain and online communities

Our novel concept of badges

- by taking into consideration the specifics of the educational domain, we designed these 4 types of badges:

Regular
- badges are earned after fulfilling all conditions

Limited
- badges can be awarded only to a limited number of users

Weekly
- condition fulfilment is reset after each week
- this badge can be earned up to 12 times in one term

Combined
- awarding badges on a weekly basis only to a limited number of students

User activity

Dispatch event → **Update condition progress**

Test condition fulfillment → **Assign badge** → **Notify user**

GOLD BADGE

Evaluation

- deployed on April 11th
- currently used in one bachelor course
- 29 badges awarded so far

- qualitative - expert's opinion
- quantitative - comparing overall student activity
  - this term (normalized) with previous two
  - before and after deploying our tool (this term)

sem-tam niečo kliknem

Odznak je možné získať iba raz   Počet udelení nie je limitovaný
Dátum získania odznaku 13. Apríl 2016   Odznak získalo 10 používateľov

2 krát zahlasuj za otázku alebo odpoveď s tagom dbs   2 / 2

hrdina týždňa

Odznak je možné získať každý týždeň   Počet možných udelení: 3
Zatiaľ si ho nezískal   Odznak získal v tomto týždni 1 používateľ
Odmena: Držitelia týchto odznakov budú mať prioritne vyhodnotenú skúšku

1 krát pridaj odpoveď na otázku s tagom dbs   0 / 1

DBS prizerač — sem-tam niečo kliknem / poctivo klikám / vote-a-lot!

DBS altruista — pomáhač / vysvetľovač / profi support

DBS zvedavec — sem-tam zvedavý / zdravo zvedavý / ask-a-lot!

DBS týždenný makač — zvedavec týždňa / hrdina týždňa