Self-Regulated Learning and Adaptive Training in PERLS

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Float, LLC
Self-Regulated Learning and Adaptive Training in PERLS

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Key content types

Learning Objects  Flashcards / Tips  Quizzes  Courses  Tests

A single piece of learning content.  Help learners determine whether they remember key definitions or procedures.  A single, multiple choice question.  An ordered collection of learning objects and tests.  Scores learners responses across multiple questions.
Adaptive course
Overview

Recommendation Engine

User Activity

Recommendations

Plugins
Plugins
Recommendation Engine

Generate Candidates
Score Candidates
Rank Candidates

1
2
3

New
Trending
User interests

Similar
Revision
Pad

Topic completion
Highly-rated
Course completion
Example: New Course
Recommendation Engine

1. Generate Candidates
2. Score Candidates
3. Rank Candidates

- New
  - Learning Tips
- Trending
  - Basic Training
- Similar
- Revision
- User interests
  - Pad
- Topic completion
- Highly-rated
  - Personal Security
- Course completion
Example: New Course
Recommendation Engine

1. Generate Candidates
2. Score Candidates
3. Rank Candidates

- Basic Training
- Learning Tips
- Personal Security

New
Similar
Topic completion

Trending
Revision
Highly-rated
Course completion

User interests
Pad
Example: New Course

Recommendation Engine

1. Generate Candidates
2. Score Candidates
3. Rank Candidates

- Learning Tips
- Personal Security
- Basic Training

<table>
<thead>
<tr>
<th>New</th>
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- Topic completion
- Highly-rated
- Course completion
Example: New Course
Example: Passed Pretest

Recommendation Engine

1. Generate Candidates
2. Score Candidates
3. Rank Candidates

- Basic Training
- Learning Tips
- Personal Security

New
Similar
Topic completion
Trending
Revision
Highly-rated
User interests
Pad
Course completion
Goals
Goal Reminders

Choose a day or days:
- Sun
- Mon
- Tue
- Wed
- Thu

What time should we remind you?
08:00 am
Custom goals
xAPI tracking

Content Manager published course “Learning Tips and Tricks”

System recommended course to Learner

Learner launched course

System asked Learner question 1

Learner attempted pre-test

Learner answered question 1 correctly

Learner passed pre-test

System sent Learner notification about goals

Learner completed course

Learner completed their goal

Learner completed their goal
Questions?

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