ARTournament: A Mobile Casual Game to Explore Art History

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Agenda

- Motivation
- Design and Rules of ARTournament
- Evaluation
- Conclusions
Motivation

- Engage players with art history
- Focus on visual exploration of artworks
- Compare and contrast of artworks
Design and Rules of ARTournament

- Mobile casual game
- Puzzle game
- Android platform
Game Levels

- Themes in art history
- Influence of time
- Influence of region
- Individual artists
- Look and compare artworks
- Take a decision
- Tap and select an artwork
- Receive feedback from the game
Scoring

- Players receive points for correct answers
- The higher the level, the higher the points
- Highscore list

- Once the player reaches the level goal, he/she may proceed to the next higher level
- Level goals
  - specific number of correct answers
  - specific number of correct answers in a row
Level 5 – Expert Caravaggio

- **Task description**
  - Find the painting of the Italian Baroque painter Caravaggio (1571 – 1610) among paintings with the same theme of his contemporary compatriots.

- **Level goal**
  - Five correct answers in a row
Score: 27709 | In Serie: 200
Runde 315

ARTournament

FAKULTÄT FÜR INFORMATIK
Evaluation period October – November 2011
16 tasks on 5 levels
24 players
4235 rounds (M = 176.46, SD = 289.93)
Played Rounds per Level

5: Expert Caravaggio
1: Religious Works
1: Genre Works
2: Portraits from 15th Century
3: Dutch Portraits
   1: Still Life
   4: Botticelli
   4: Caravaggio
   1: Portraits
   4: Dürer
2: Portraits from 16th Century
2: Portraits from 17th Century
   4: El Greco
   4: Jan van Eyck
   4: Velazquez
   4: Hieronymus Bosch
Played Rounds vs Percentage of Correct Answers

Percentage of correct answers: 38.1%, 39.6%, 42.0%, 47.1%, 58.4%, 60.4%, 62.7%, 63.9%, 69.8%, 71.4%, 75.7%, 78.3%, 79.4%, 81.2%, 89.9%, 95.3%

Number of played rounds: 168, 106, 188, 87, 101, 154, 209, 147, 106, 98, 263, 189, 34, 149, 170, 2066
Level 2: Portraits from the 15th Century
Level 4: Botticelli
Level 5: Expert Caravaggio
Conclusions

- Mobile casual game on art history
- Compare and contrast of artworks
- Visual examination of artworks

- Percentage of correct answers increase during game play (at least on most levels)

- Players seem to grasp knowledge in art history
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