

PexAce Memory Game With a Purpose



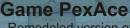
Goal

- Image annotation

Through

- Human computation
 Attractive, fun and challenging game

Unannotated images



- Remodeled version of the old familiar memory game
- Penalization for multiple inversions of cards
- Allows players to write notes for pictures

Playing cards

Time spent to find pairs

Inverted images





Score reached during the game

Processing

- Tokenizing raw annotations
- Lemmatization (WordNet.Net)
- Player agreement filtering (At least two players must agree on a word)

Rock

Beach

after translating player notes we obtained the following raw annotations for this image

- coast shore
- reef in sea
- jump mountain

Raw annotations

- beach right
- beach sand cliff
- rock coast
- yellow rock



Results

- 123 registrations + guests
- More than 200 games played
- More than 9000 raw annotations
- More than 1100 tags for 500 pictures
- Great popularity

Future work

- Using the obtained data for useful things
- Creating more precise tags to photos
- Obtaining metadata for other media
- Creating more GWAPs



Balázs Nagy

pexace@gmail.com Supervisor: Dr. Michal Tvarožek

