

# English Teaching Minigames Web Application

## (Tentative App Name: The Red Book)

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### Feature List

#### Category: User Participation

- Upload image and tag candidate labels
- Text-to-speech pronunciations of the candidate labels
- Able to review and play games from user-uploaded images
- **Extra:** Able to play games of pre-fetched images (Fruits, colors, etc)

Any user's  
or only my images?

Review  
Play games

with existing?

#### Category: Minigames

- Flashcard game: Users match label that is given with corresponding image shown
- Spelling Bee ○?

1 label, 1 image? many?

Select Images in some manner

#### Stretch Goals: Extra minigames that promote learning

- Leaderboard of mentioned games
- Reward system (Badges, tokens, ...)
- Sentence completion game
- Pictionary
- Picture Puzzle (Identifying correct items in a picture)
- Google Quickdraw utilized game

- What app or website  
closest to?

### Scope

- The application will be accessible on any device that supports a web browser (possibly aiming to be PWA). This application's main target audience is elementary students with little to no previous English knowledge. Image attachments will be limited to 10MB.

write out uncommon acronyms / define if need to.

Duolingo  
memrise.com

- Still using machine learning? If so, how handle inaccuracies?
- Logging what words user studies + learns?
  - ↳ Can I see my progress? over time?
- Any intelligence in which words shown in games?
  - ↳ Consider spaced repetition / other techniques
- How handle inappropriate images / labels?