

Purpose: Requirements Document (Functional/Non-Functional Requirements)

Date: 03 October 2019

Time: 8PM

Place: ****Remote****

Attendees: Rachel, Armaan, Kai, Negar, Evan

Absentee(s): TK

1. NON-FUNCTIONAL REQUIREMENTS

- a. Move security of data to external

2. FEATURES/FUNCTIONAL REQUIREMENTS

- a. Main page as link between all games
- b. Progress shall be displayed in the form of a radial chart
- c. rewards/awards/achievements
- d. Profile view
- e. History of gameplays and improvements shall be accessible to the user (*extra thing*)
- f. Length of the games
- g. ENGLISH language
- h. Shall have a setting to quit a game at any time
- i. Quitting app = quitting game (timeout = 10s ish)
 - i. Back to main page
- j. Shall have transitions between start and end of games
 - i. End game
 1. achievement/award
 2. Profile view

Features:

- Each game
 - Story
 - In chapters (to be continued...)
 - Longer time
 - Shall have multiple decisions
 - Shall input commands to progress through stages/chapters
 - Difficulty shall be adjusted by speed and number of syllables in words
 - System shall be able to handle stuttering
 - Shadow
 - Camera as main input
 - Tracks user's posture and body position (image analysis)
 - Users will see themselves on the camera and will have to line up with silhouettes along with the posture line for users to match
 - Game shall detect user's deviation from the silhouette
 - Decide what deviation is
 - Twister
 - Difficulty

GROUP 6 — TANKER

- Increase number of dots on screen (size will decrease)← preferable
- Amount of time to position pictures
 - Twister with moving dots (sliding)
 - Beat board — notes — backbeat
 - Shadow and Twister shouldn't take more than a few minutes
 - Improvement shall be measured by accuracy and speed
- profile/progress (includes radial chart)

3. EXAMPLE TUTORIALS

- a. Home screen
 - i. Gameplays
 - 1. Shadow
 - 2. Twister
 - 3. Story
 - a. End → achievement and profile
- b. Screenshot (powerpoint/photoshop) — Armaan
 - i. Mainpage
 - ii. Games
 - iii. Radial chart/progress

NOTES

- Reach out to people who may have experience in therapy with parkinson's
 - Any movements and exercises that therapists use