Me

- 3rd year student computer negineering student

- Working as in Finnish IT company as Senior Test engineer.

- No previous experience on android application development

- Some programming experience on Python from testing or depending testing tool.

- I want to have good basis where to expand knowledge on android apps and have some level of confidence on application development skills.

AmazingScotlandYardRaze

AmasingScotlandYardRaze, turn based and time limited GPS location using Robber and Police(s) game in real world.
Idea based on Scotland Yard board game + adding task/puzzle part, reminding little Amazing race.

1. "Robber" gets example 10 min lead. After 5 min he takes picture, writes puzzle and answer, application will sendthat to "police(s)", Fugitive has to stay still for 5 min.
2. "Police" starts when he gets puzzle, once he solves puzzle fugitives GPS location is given to app and it will tell how far fugitive is from your current location.
3. After 5min fugitive has 4 min time to move and then create another puzzle, picture and send it to police. If fugitive is still free after police makes their fifth(5) (there is time limit for puzzle and move) he wins, if police reaches fugitive location within time frame police wins.

Screen design

https://github.com/jarnokau/jk_school.git

Screen design Police

Player Navigation screen

Distance to location

Get Next puzzle

Un-editable field to inform players

Player puzzle screen

Puzzle 1/5

Un-editable Text field with multiple line for puzzle/problem
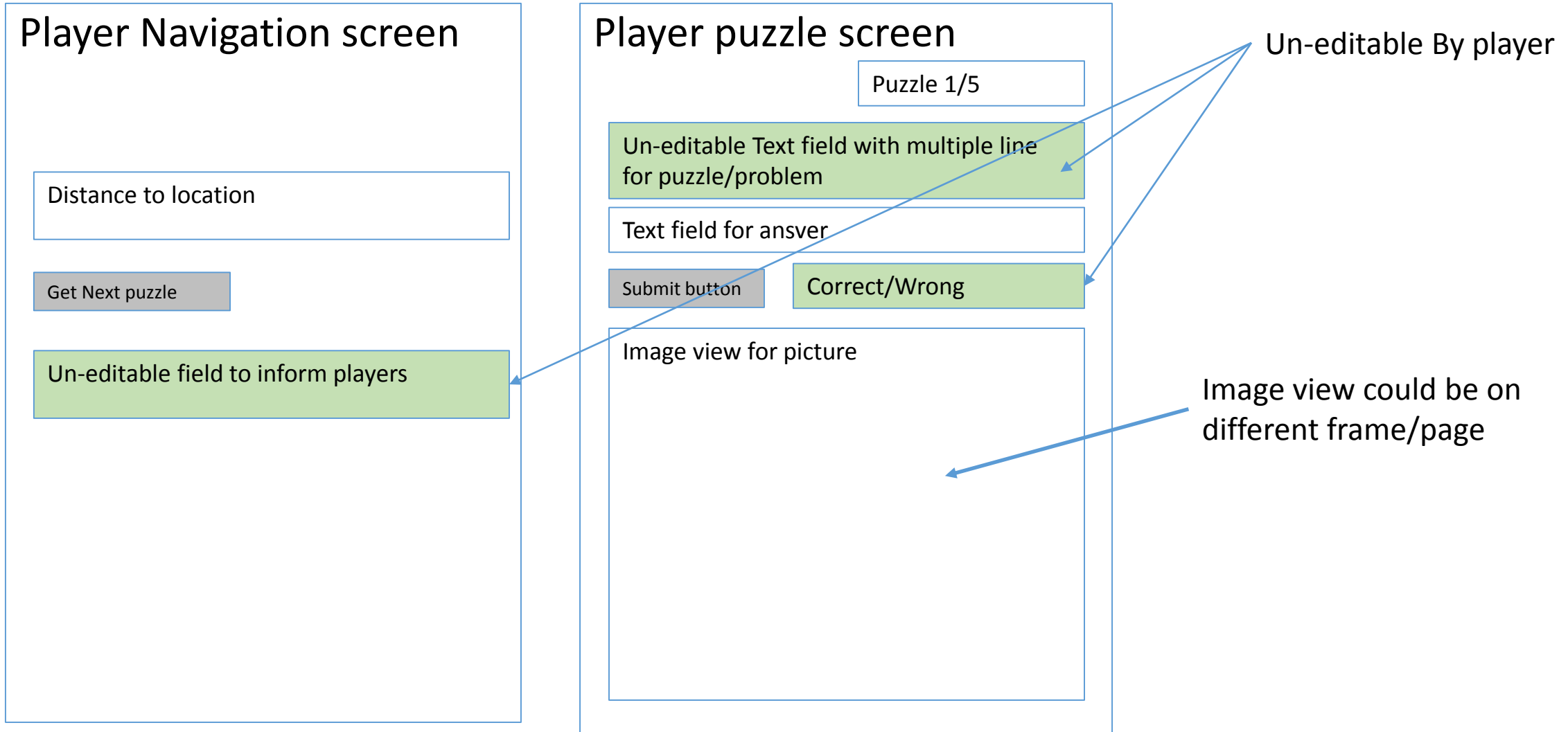
Text field for ansver

Submit button

Correct/Wrong

Image view for picture

Un-editable By player

Image view could be on different frame/page

Screen design Robber

Game Master

Take picture button

Puzzle 1/5

Text field for puzzle/problem or task instructions, hints, length of ansver

Text field for ansver

Send puzzle

text field to give instructions to game master. (Keep your location, move to next)

Timer field

Un-editable
By player

Game Master setup

TextView for Game Name (Espoo central tour)

Number of locations(how many locations, last one is Finish line)

How much time to solve puzzle?

Time limit :5min,10min,15min

Save settings

Start Game

End Game

Planned features in version 0.1

- Robber can take picture and write puzzle and answer

- When done app will send image and text + GPS location using some data transfer method (email,MMS)

- Police part is able to show data(image+txt) and show distance to robbers location when puzzle solved

- Distance is updated when police moves

- When request next puzzle police will get it, if it has arraived.

Depending on time

- Timer field to count down

- Disable/enable "get next puzzle" button depending distance

- Remove solved puzzles from queue

- Encode and decode text data to base64.