

# CS455:

# Introduction to Software Engineering

Group 10  
Aakash Verma  
Arpit Jain

# AcQuora

*- 'coz learning can be fun*

- Interactive learning app
- Beneficial for
  - children-self directed play,
  - children with special needs,
  - parents
  - people preparing for competitive exams
- Quiz based learning, involving levels & credits.
- Has social media integration, can share scores among friends, seek rewards.

What if I don't know the answers?



# Am I stuck, If I don't know the answer?

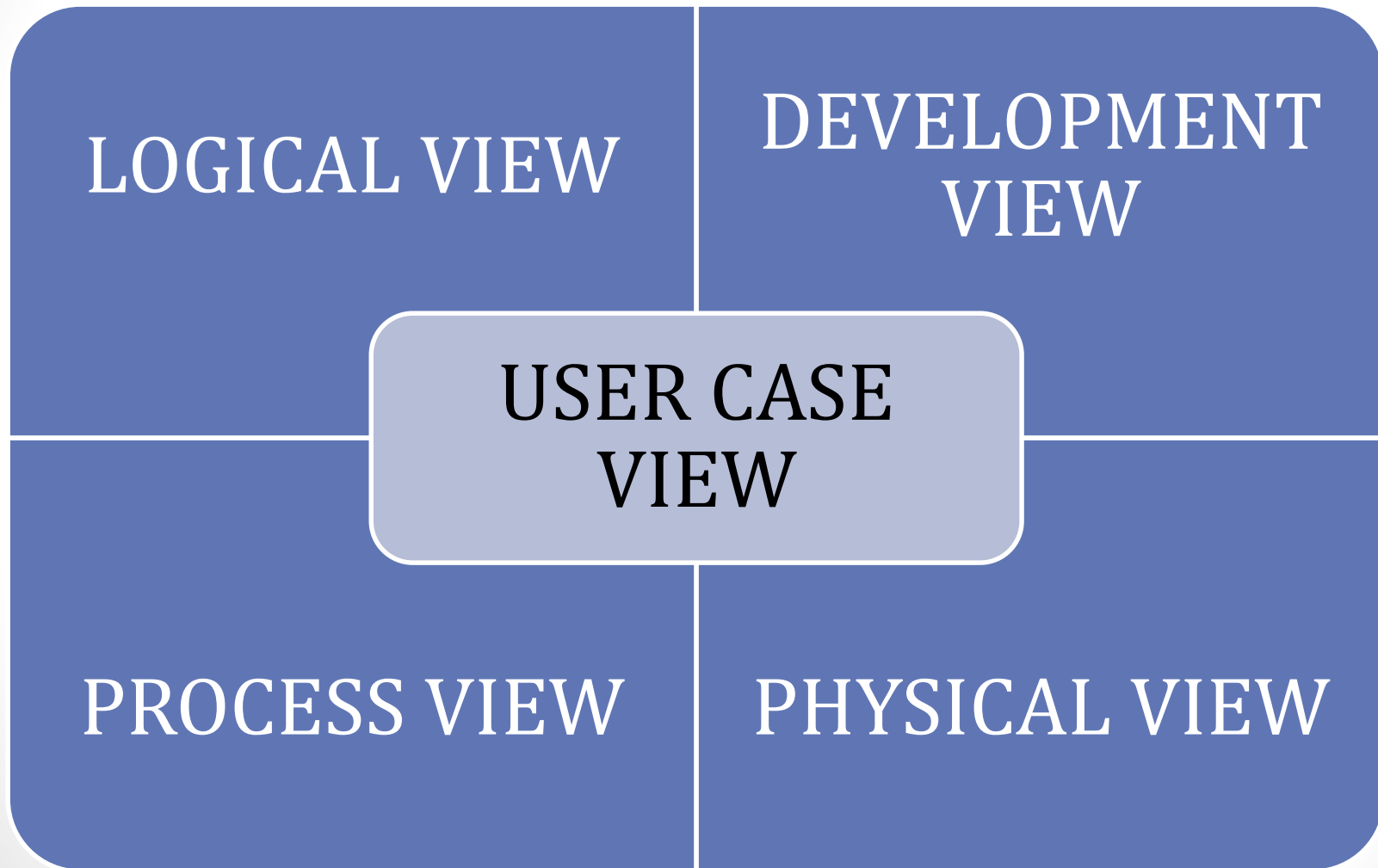
- Don't worry. You will gain credits over time (but not infinite credits).
- Minimum number of credits required to continue with the game.

# Features

- Also, we have sound functionality for people having visual disability.
- Internet connectivity **NOT** required to run the app.
- Privacy Issues: Need not use Facebook/Google mail for authentication.
- Penalty, increases with every wrong attempt per question.
- Minimalistic permissions asked from the user.
- Can set a timer to measure one's performance for self evaluation.
- No server downtime issues.

# 4+1 Architecture view

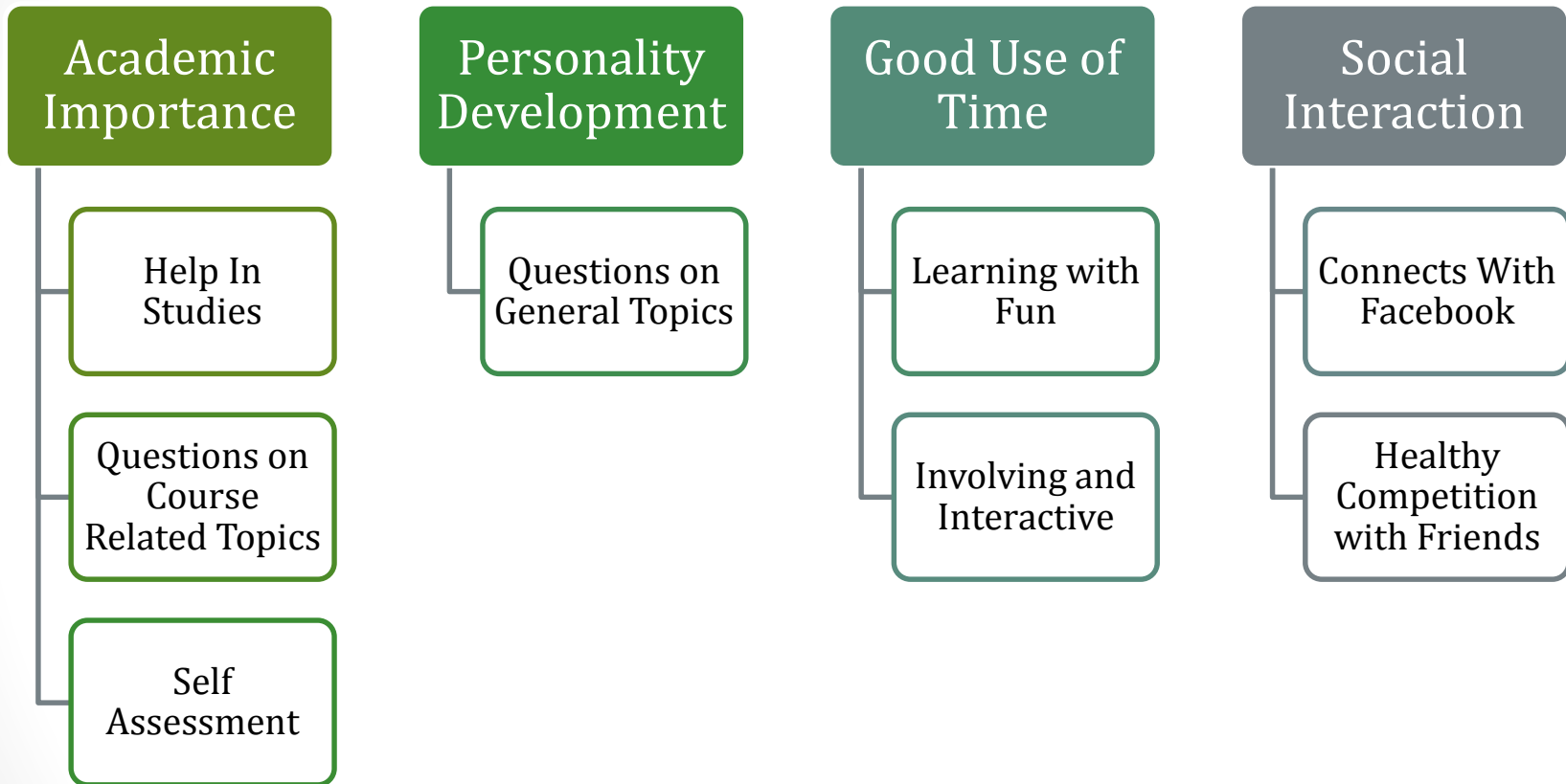
# 4+1 Architecture



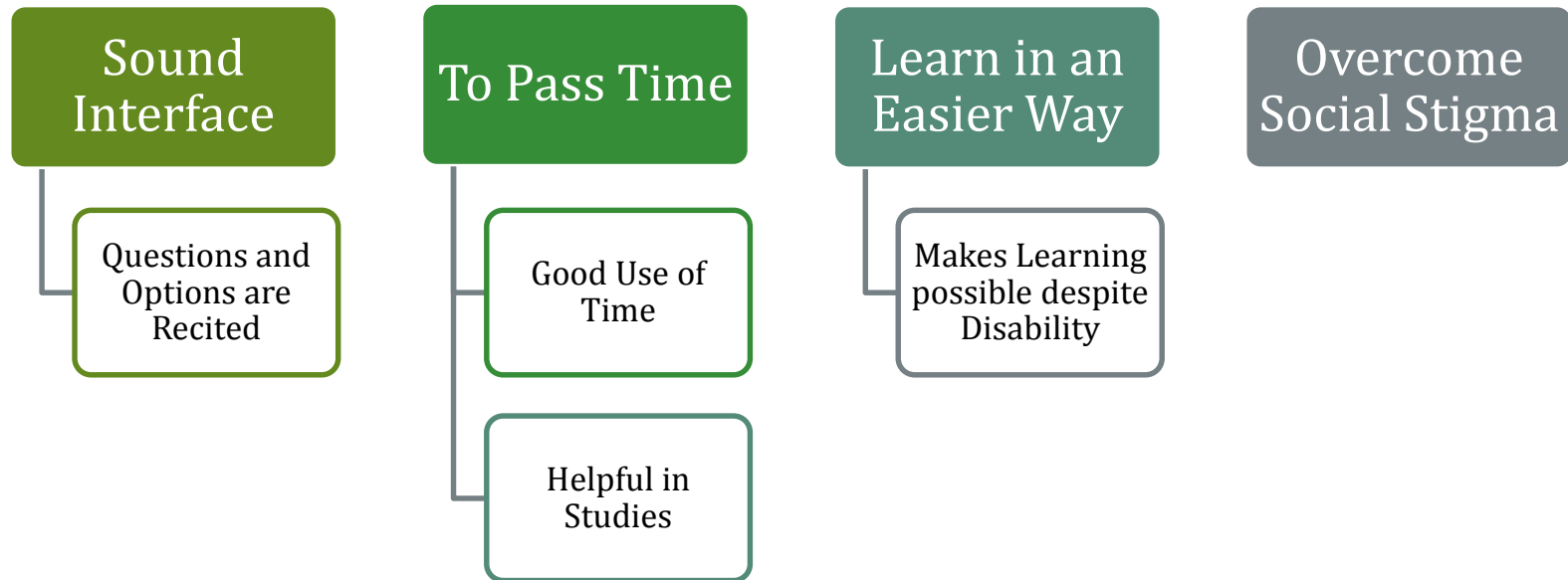
# User Case View



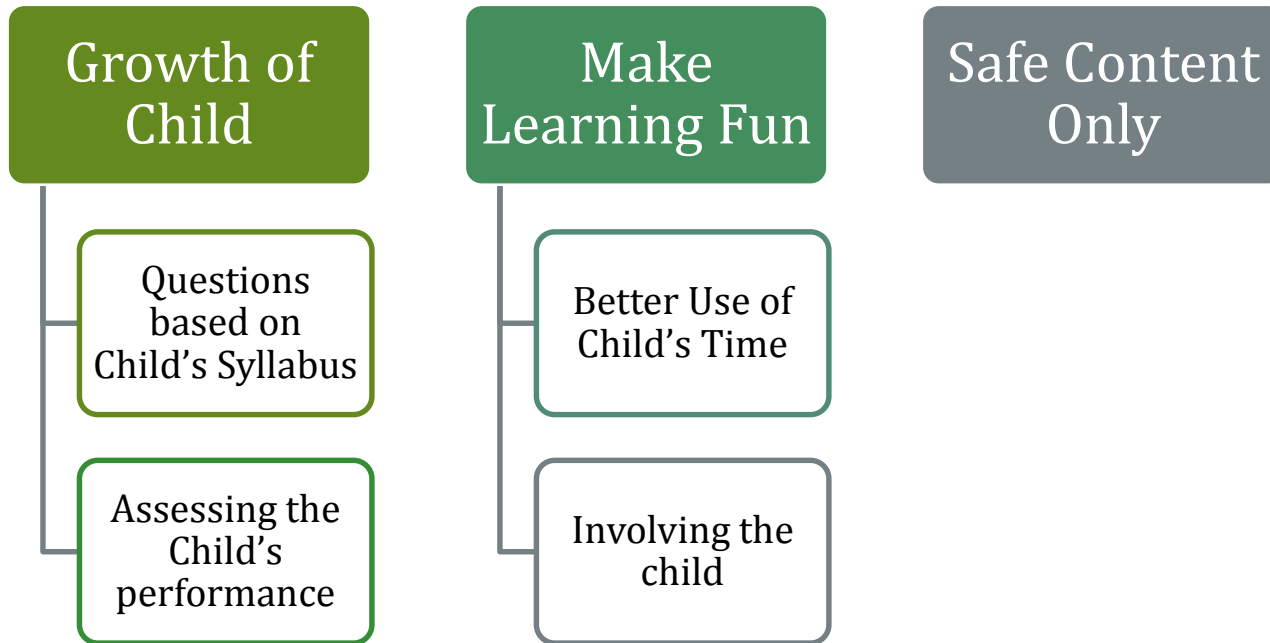
# Child User



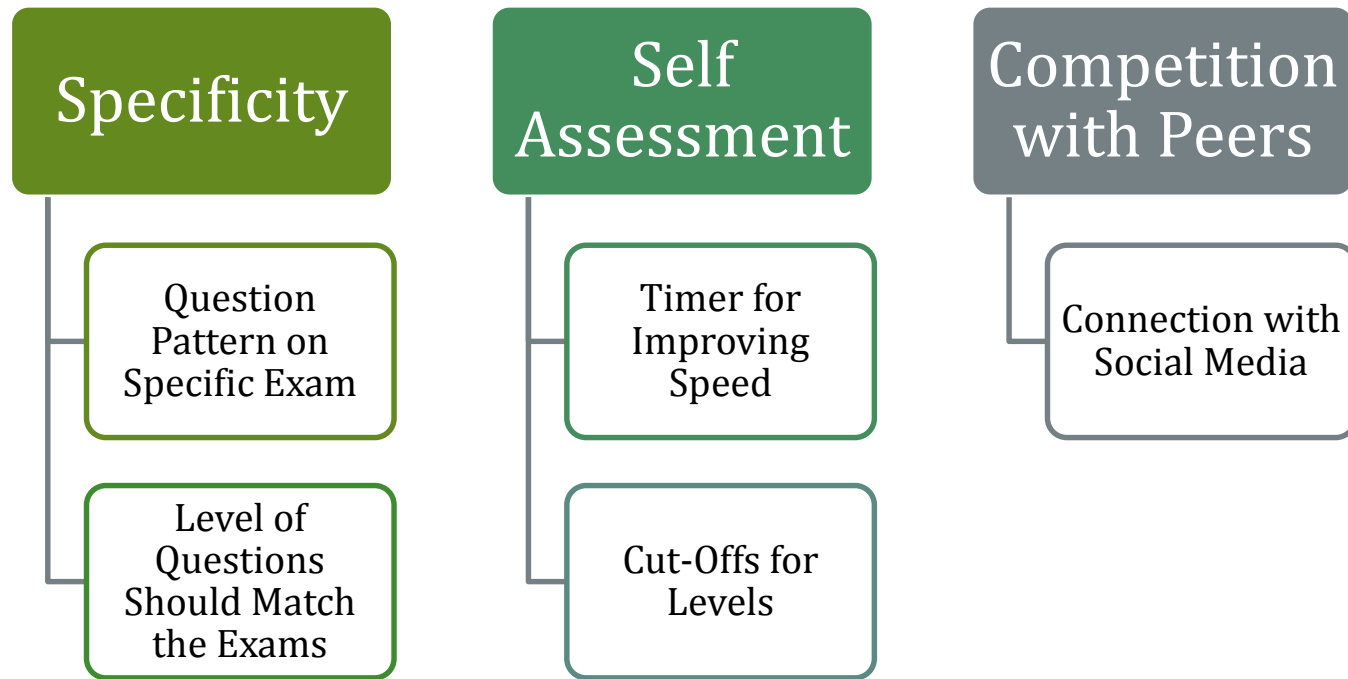
# User with Visual Disability



# As a Parent

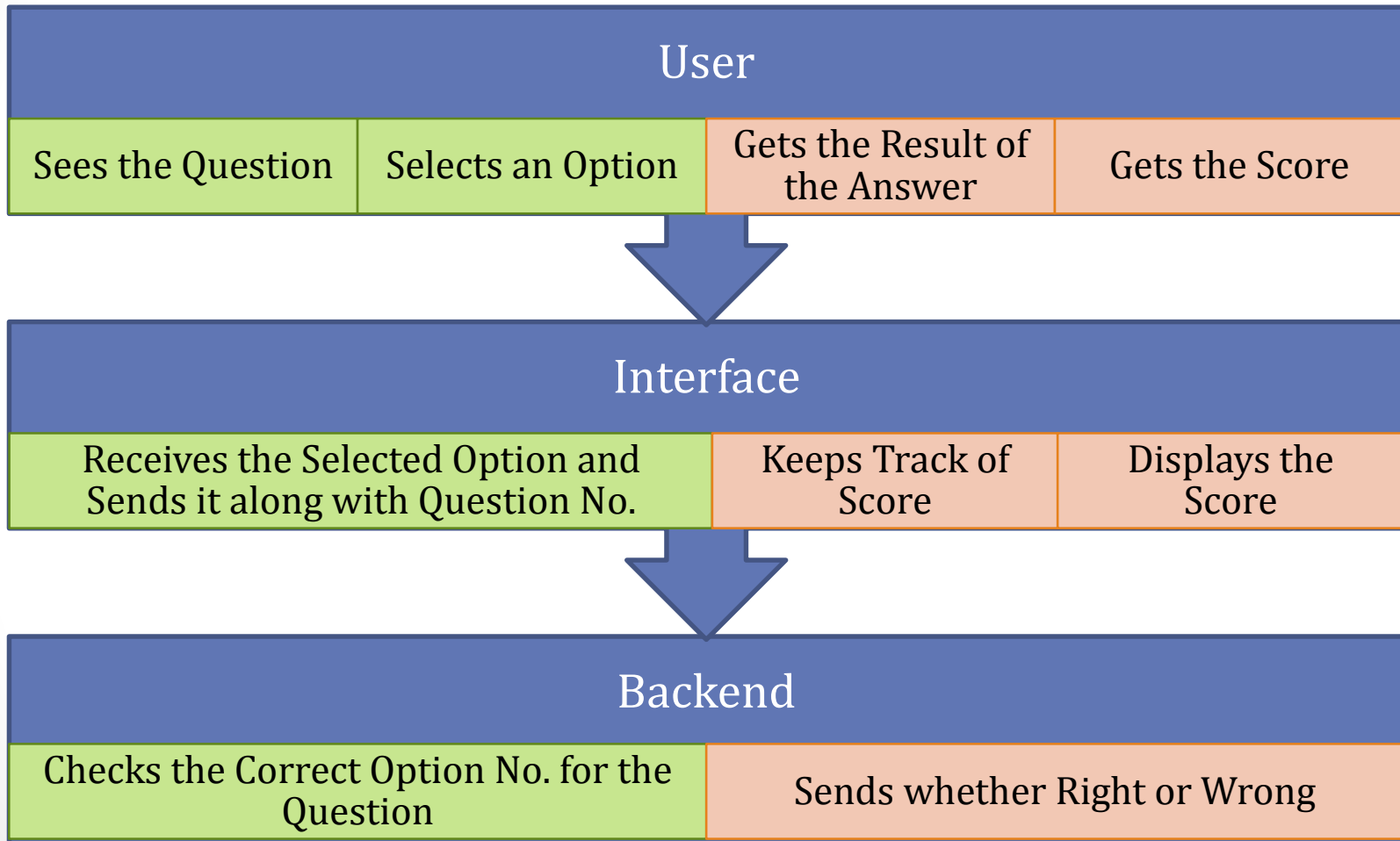


# Person with Specific Requirements

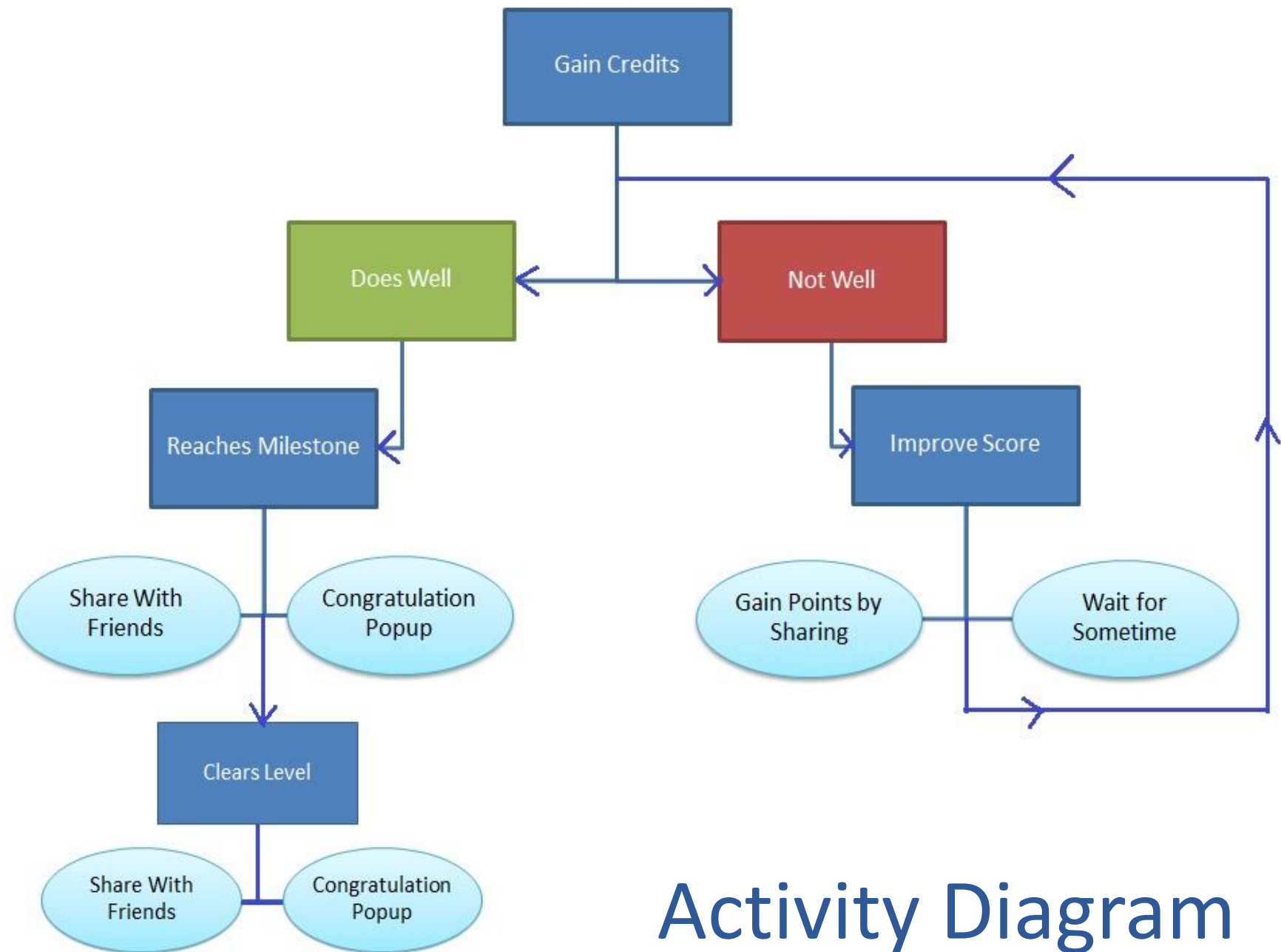


# Logical View

# Sequence Diagram



# Process View



# Activity Diagram



# Future Potential

- Interested Parties:
  - Can be used by educational businesses to give supplementary reading material and gain insights.
  - Can be used by teachers to give learning assignments.
- Web interface to upload question dataset and get the app.(Scalable)
- Hydrated apps-No need to download newer versions.
- Working across platforms.
- Involving multimedia based questions.
- Give analytics using third party API's.

# Some Snapshots

# Main Page

## Logical Reasoning

Kanpur is in which state?

Uttar Pradesh



Madhya Pradesh



Mizoram



Rajasthan



Score: 2160

Level: 1

# Settings Page

# *AcQuora*

Learning With Fun

Enable Sound

☐ Yes

☐ No

Enable timer

☐ Yes

☐ No