

GSoC 2019 Proposal

KDE

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PROJECT: Gcompriz

About the problem:

The product is used by the children in the age range 4-10. But in an activity, the difficulty level can increase too much and target different ages at the same levels. This can be resolved by having different datasets with increasing difficulty. So the user can select the appropriate difficulty level and child can better target what to learn.

Project Goals:

Finding all the activities which can be modularized into different difficulty level. For each of these activities plan about how to divide the activity into different difficulty. Prepare the dataset. For each activity load the activity with the appropriate dataset.

Implementation:

Consider an activity which needs to be modified. Plan and prepare the dataset to have a different difficulty level. Use the dataset with respect to the difficulty level selected by the user.

Ex: Consider the Memory activity or Rebuild the mosaic activity this activity the difficulty level can be increased by adding more number of cards/elements in the game.

Timeline

Community Bonding Period (May 6 - May 27)

- Understanding the code base
- Learning Qt5 i.e efficient methods and coding styles

- Finding out the activities which need granularity on the datasets

Week 1

- Work on two activity

Week 2

- Documentation and testing

Week 3

- Work on the next two activity

Week 4

- Documentation and testing

Week 5

- Work on the next two activity

Week 6

- Documentation and testing

Week 7

- Work on the next two activity

Week 8

- Documentation and testing

Week 9

- Work on the next two activity

Week 10

- Documentation and testing

Week 11

- Work on the next two activity

Week 12

- Documentation and testing

About Me

Name: Sanjay Ashok Shetty

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Location: Surathkal 575025, Karnataka, India.

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Languages Known: English, Kannada, Hindi

Curriculum Vitae

Education

University: National Institute Of Technology, Surathkal.

Major: Information Technology

Degree level: Bachelor Of Technology (undergraduate)

Graduation year: 2020

My Interests:

I am interested in Web development and Machine learning. I will be a great learning experience if I am given an opportunity to work with this project. With this, it will help me to continue to contribute to open source.

Contributions to this repository

I have contributed to <https://github.com/gcompris/GCompris-qt> by adding animal quiz activity with the `commit e4e589b86b3040115a090307ef35c00900a8dc82` pull request #246.