

Sharing Information in Android Application Using Agile Development & Semantic Ontology

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Abstract

at the present time the web can provide as a perfect innovative surroundings for learning which is recommended by teachers and based on intuitively knowledge objects. Whereas a range of mechanical arrangements for the improvement of integrated e-knowledge sharing situations as of now exists, the foremost fitting arrangements require advance change of the execution of novel learning objects, unification of consistency and integration of learning environments, based on semantic administrations that are still within the early stages of advancement. The aim of the paper is to make a model using the advances of semantic learning objects, present it with the design of the instructive framework for semantic learning course design process and to display the experimental portion of the model's effect on the learning process. The research incorporates the use of Crystal Methodology from Agile Software development Methodology to enhance the performance of the system.

Keywords: Agile , Crystal Methodology, Semantic web, Ontology ,Context Model

I. Introduction

Sharing Information in an android based application that provides a one stop shop for the existing end user and within users with the accurate application of semantic web and utilizing Crystal Methodology taken from AGILE are the two pillars on which the present paper is based. Users can find various information needed by them and can easily share this information to another person with proper security features such as schedules of examination messages and other various important events, their results etc. In present era there are lot of sharing based module available but they all do not provide advance technology supports like semantic as well as agile. In this paper authors propose a model based on

semantic based agile concept which provides Advance sharing support within and across applications.

Intelligent information sharing needs explicit representations of semantic knowledge. Recently, in conjunction with the entire internet, the need for a mechanistic explanation of information semantic was recognized. A three-tier solution to the problem of web smart applications is as below:

1. Agile Crystal methodology
2. Semantic extraction features using Ontology
3. Machine Learning Algorithm

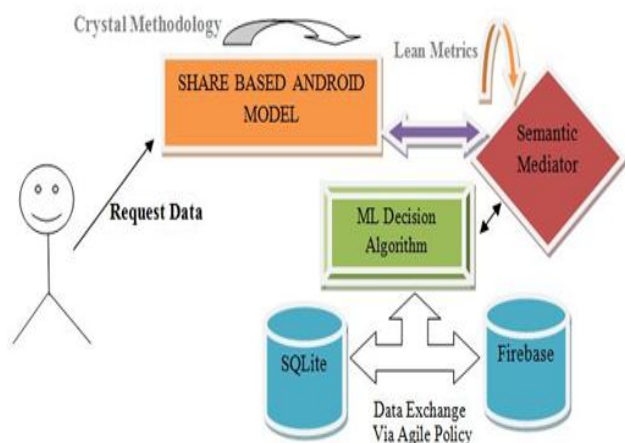


Figure 1. Proposed Model E Share Model

In above model first user send request for accessing the model based application with proper credentials. Sharing Based Android model accepts that request and process that request based on agile based crystal methodology. After this step user information process with proper semantic taxonomy features with the help of Machine learning algorithm and then the information is shared with end users.

In simple terms here author extract firebase data using machine learning and agile based crystal algorithm.

Methodology & Context based Agile rapid policy

To perform basic operation author followed some agile policy which are linked with methodology based E share model and produce intermediate target code response after that we pass these information as a data set then machine learning classification based algorithm take accurate decision. Here agile based policy affected Admin module, User module.

Admin Module: -Administrator can add Courses. Administrator can add and delete notifications. Administrator can verify details. Administrator can view details. Administrator can view users' details.

User Module: -Can do registration by selecting his course. Student can attend lectures. Student can download assignments. Student can send assignment answers. Student can solve his query from faculty using chat.

II. Context Model-

We are going to use Agile Model for our project development. With the help of Crystal Methodology taken from the AGILE, we can improve performance as for example the broken downloads problem is significantly removed in this approach.

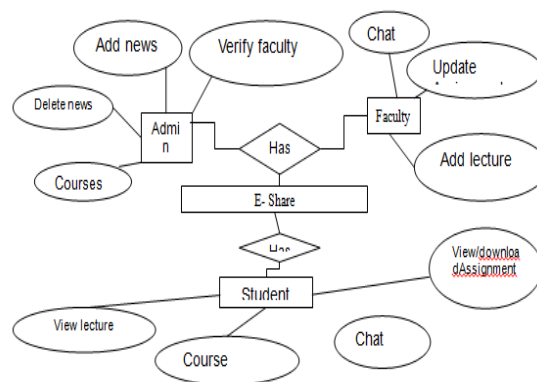


Figure 2 Context Model

In this model author used agile based methodology i.e. Crystal methodology which provide rapid development and interactive way to solve priority based data transfer.

III. Machine Language Code With R

```
library(e3201)
```

```
x <- cbind(x_Data, y_User)
```

```
# E Share Based artifact
```

```
fit <- naiveBayes(y_User ~ ., Udata = x_Data)
```

```
xyt <- NavType(Share_Ontology)
```

```
fit1 <- cbind(xlas lib meifest info)
```

```
Inclusion Of semantic Libraries
```

```
Extraction Of Ontology based Information using  
Classification
```

```
summary(fit)
```

```
#Predict Result
```

predicted= predict(fit,x_Data)

IV. Ontology

Semantic mediator play an important role for this model for user verification and proper authentication, author develop E share based ontology classes which provide a better interaction and easily communicate machine learning supervised approaches .here individuals are basic block enteties which support fetch the user specific id i.e. author provide class level policy also using ontology.

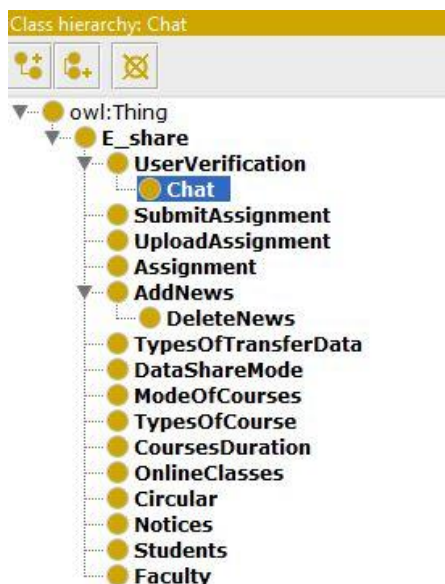


Figure 3 Class Hierarchy



Figure 4. Individuals

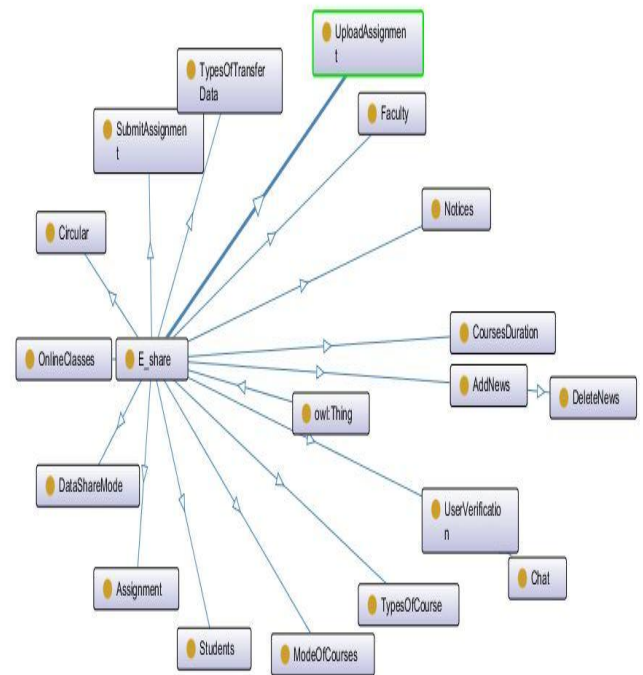


Figure 5 Ontology Model

V. Steps For data transfer rate Based On Alogrithm

Start

includes basic ml lib. file

Read CSv Files for data transfer

Add setwise values inclusion of share data

update setwise values using share data

define rate speed factors $R=0.8$

set Speed rate path and calculates rate of Speed

based on frequent Count method

frequent_occ = users['open'].max()

Plot chart speed rate data calculation

da.plot(kind="bar",x='high', y='low')

Sa.plot(show "level")

Show plot shart using show() methods

Stop



Figure 6 data sharing rate

The result describe rate conversion speed with the help of adaptive machine learning algorithm which is properly integrated with semantic as well as agile based methodology. Here Firbase data set play wide role. In Second graph author display data sharing rate with integration of userdefine data set.

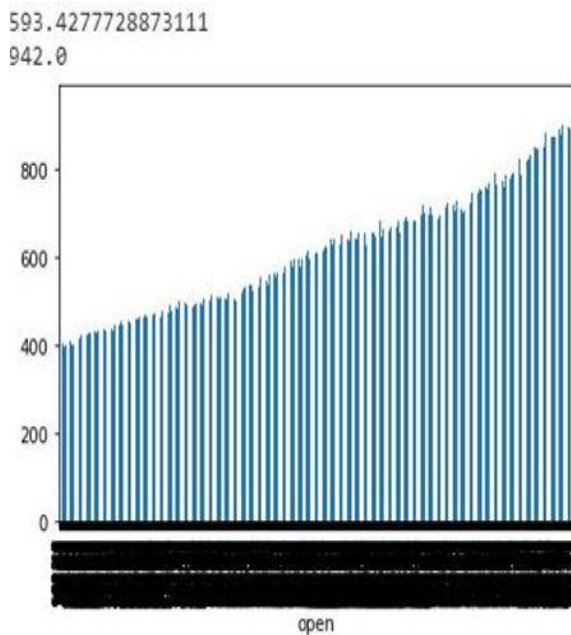


Figure 7 data sharing rate Machine learning Algorithm

VI. Conclusion

The paper's aim is to create a model using the advances made by semantic learning artifacts in inclusion of machine learning algorithm and provide a better framework for end user. In this paper author also tries combined semantic web and agile

features with the help of latest machine learning approaches.

VII. References

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