**PROJECT**

**3rd Increment Report**

**on**

**“APP REVIEWER”**

**By**

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**Importing Existing Services:**

The existing services used in this increment are HTML language, JavaScript, cascading style sheets (CSS), PHP and also MySQL Database for implementing the user interface.

**Detail Design of Services:**

In this design of mobile interface we created the Login for getting the input about user’s interests and then selecting different categories of apps, the user wants to view. Basically, whenever user clicks on particular category all the apps related to that category will be displayed. We also created login page for the existing users to enter and sign up page for new users. Even the forgot password option was created to help the users in case if they don’t remember their passwords.

**Implementation**

**Implementation of services:** We created login page and sign up page for existing and new users to enter the application. However we are going to use Hadoop for analyzing the app data and ordering them in decreasing order of their app rating. This can be achieved by using a Java program which is completed but is yet to be deployed on to Hadoop. The proposed java program compares the average app rating and the number of recommenders to order the apps.

**Generate your datasets:** App data is collected from the Google Play store and then arranged into the .txt files. We have created the different categories that are available in apps and are going to create datasets for each category. So, whenever the user presses the app belonging to the category then the details about the app are being analyzed using Hadoop and then displayed to the user.

**Implementation of user interface (Mobile Apps):** Here we implemented user interface using the HTML language, Cascading style sheets, PHP and MySQL Database. The login, sign up and forgot password options are developed in this increment. Further modules will be added by the final increment.

**Report:** In our project “APP REVIEWER” we have developed the front end using HTML, JavaScript and CSS as part of First Increment.

Now in this increment, we created login page, which requires existing user details like email address and password to be entered.

For new users sign up page is developed where he will be asked to enter his details and asks to create a password. In case if users forget their passwords forgot password option helps them to recover their password or chance to create a new password. All this data will be stored in MySQL database.

We also developed a java program which rates the apps based on average rating of the apps, number of recommendations for that app and number of people who downloaded that app. Thus apps are rated and are displayed based on their rating. Best rated apps are displayed first.

**Implementation Status Report**

**Work Completed:**

* **Description:** In the third increment, we collected data about App’s [App Name, Average Rating of the app, updated date, size, installs, current version, required android, developer name, Number of users rated 5, Number of users rated 4, Number of users rated 3, Number of users rated 2, Number of users rated 1, Reviews for the app]. Data about applications in various categories are collected into the .txt files.

We also created login and signup pages for the users. And also developed a java program to rate and to display the apps based on its average rating number of recommended users and number of people who downloaded it.

* **Responsibility:**

**Data Collection:** Data about apps are collected from the Play store byAlekhya and Sumanth and Vinil. The data collected includes App Name, Average Rating of the app, updated date, size, installs, current version, required android, developer name, Number of users rated 5, Number of users rated 4, Number of users rated 3, Number of users rated 2, Number of users rated 1, Reviews for the app.

**Documentation:** Documentation for the 3rd increment has been prepared by Alekhya Boyapati.

* **Time Taken:** We spent 120 hours each for getting data, coding Java Program and for creation of login and signup pages and forgot password option.
* **Contributions:**

**Sumanth:** Data collection, PHP coding and part of java coding (33.3%)

**Alekhya:** Documentation, part of java coding, data collection and creation of forgot password option. (33.3%)

**Vinil:** Data collection and part of java coding (33.3%)

**Work to be completed:**

* **Description:**

In the final increment, we are looking forward to convert the java program written to jar file and then deploy it to Hadoop. Then the processing will be through Hadoop.

We also have to recommend apps to users through emails based on their interests.

* **Responsibility:**

Converting java program and then deploying it with Hadoop and also recommending apps to users based on their interests will be shared by three of us equally.

* **Time Taken:** We estimate that we require around 120 hours each for an increment.

**Issues/Concerns:**

The major concern through the project is data as we had to manually connect the data related to apps manually. Initially we face some running issues with the Java code but could come over them to get the expected result.