ABSTRACT

This provided report is meant for describing all the features and procedures that were followed while developing the system. This document specially mentions the details of the project as to how it was developed, the primary requirement, as well as various features and functionalities of the project and the procedures followed in achieving these objectives. The project work entitled **AppBuilder (Report Generation)** for Java platform is an Application Generator that is entirely based on database metadata. The main purpose of this project is to generate report using certain relationships between metadata of the database and the parameters supplied by the user. I am trying to give a very flexible and user friendly environment in which a user can easily get data manipulation form and can provide parameters to pass onto the report. Also, user can choose report style to be generated and a SQL statement gets generated dynamically as per user's choice of foreign key, other columns for a novice user.

AppBuilder for Java platform is the tool which provides codes for performing the crud operations like insert, delete, update and display the records in the form. It is designed to provide extra functionality while generating the forms. Along with these services, there are services like getting all Views in a drop-down-list and selecting one to obtain the SQL statement used to create the view and execute them. Again, user also can get the SQL query for each of the table in the database form most suitable for accessing data from tables (i.e. listing all fields and records in the table with replacement of Foreign Keys (if any) by their actual values) and then can execute them.

To use AppBuilder, it is essentially important that database for the user's project should be properly defined.

I have done this project on the regard of National Informatics Centre, Guwahati.