

Final Year Project Report
Process Modular (For Android)



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Session

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Dedication

We dedicate our dissertation work to our family and many friends, a special feeling of gratitude to our loving parents, whose words of encouragement and push for tenacity ring in my ears. Without their cooperation it would have not been possible.

We also dedicate this dissertation to our many friends who have supported us throughout the process. We will always appreciate all they have done and how they supported us.

Final Approval

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Acknowledgment

First and the foremost, We wish to express our deep gratitude to our project supervisor “Sir Rao Faizan Ali” for the continuous support in our studies, research and Final year project, for his patience, motivation, enthusiasm and immense knowledge. His guidance helped us all the time in the final year project. Without him this document would not have been completed.

Process Modular (For Android)

Project Title: Process Modular (For Android)

Objective:

We expect following outcomes to achieve on the completion of our project:

- a. To build and delete a model
- b. To save the BPM in .jpg and .BPMN2.0 format
- c. Sending and reusing the model
- d. Converting the model online to Json and other format

Undertaken by M. Usama Shakir (12020020105)
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Starting Date: 18-March-2017

Completion Date 23-September-2017

Tools Used Java, JDK, Firebase API, FAB API, Android Studio.

Operating System Android Lollipop to onward.

Documentation According to the Format.

Plagiarism Report

Abstract

Business Process Modeling Notation (BPMN) system is a system which provide you the graphical representation of process models. Basically it uses the technique of flowcharting to create graphical models for business processes which is a network of graphical object also known as activities and checks the flow control which describes the order of steps which would be taken to perform a specific tasks.

It is an offline android based application which is used to build the process models anywhere any time. You can build the models and save them in you cell phone's gallery as an image and then share them with others. This application provide you an offline interface to do your work which was not given before. There are many online web based applications like SIGNAVIO but you need an internet connection to avail that facility.

This application is basically developed for the managers and researchers to build the process models to keep the track record of the flow of their work and if they got stuck anywhere they can track the problems which occurs in any process.

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
Draft	M. Usama Shakir, Sheheryaar Iqbal	Initial draft created for distribution and review comments	5-April-2017
Preliminary	Syeda Jaza Zahra, Salman Saleem.	Second draft incorporating initial review comments, distributed for final review	27-April-2017
Final	M. Usama Shakir, Sheheryaar Iqbal, Salman Saleem, Syeda Jaza Zahra.	First complete draft, which is placed under change control	10-May-2017
Revision 1	M. Usama Shakir, Sheheryaar Iqbal, Salman Saleem, Syeda Jaza Zahra.	Revised draft, revised according to the change control process and maintained under change control	20-May-2017
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1.2 Definitions and Acronyms

Acronym	Definition
BPMN	Business Process Modeling Notation
BPM	Business Process Modeling
UMT	University of Management and Technology
POS	Point of Sale
B2B	Business to Business
BPMI	Business Project Management Institute
OMG	Object Management Group
BPEL	Business Process Execution Language
6G	6 Guide lines of BPMN

Table 1: table of acronyms and definitions

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1. INTRODUCTION

1.1 Motivations

It is a collection of structured activities which are used to create a specific product according to the customer's requirement. Business process management uses the techniques and tools to design and analysis the business process. In its workflow, according to the procedure of some rules the information passed from one participant to another.

Process model is a formalized view of a business process which is represented as a parallel or sequential set of activities which are inter linked which each other to achieve a common goal. BPM are becoming the starting point that follow the process centric development paradigm.

Process modeling is a way of representing any process in a pictorial form. This model helps in many ways like anyone wants to analyze or improve the process and build new process.

This is the era of smart phones and we all prefer to do almost all of our task on smart phones, tabs or digitizers. So why not we do our business process modeling over our smart phones. As there are no application which are free of cost and are offline used. So we decided to build an offline free application so everyone can use that application in case of building process models anytime anywhere. This application will be android based and uses the business process modular. This application will allow the user to build instant real time business process models, which will need no more desktop and internet availability.