Termination Analysis

For

STEP-BY-STEP

By Static Variables (Group#9)

Version 1.1

Prepared by: Nilesh Chaudhary

16th November, 2014

Group Members:

Sr. No.	ID	Name
1	201312004	NiyamSan Chhaya
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5	201312057	Hitesh Chavda
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9	201312080	Harshad Sindhav
10	201312089	Yatin Raj Suman

Reviewers:

Sr. No.	ID	Name
1.	201312089	Yatin Raj Suman

Revision History:

Version	Changes	Changed By
1.0	Basic template (Skeleton).	Nilesh Chaudhary
1.1	Approved as it is	Nilesh Chaudhary

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1. Purpose

The purpose of this project is to summarize the development process, set of deliverables and analyze the learning done during the course of the project, development of the Personal Software Processes and Team Software Processes. One of the goals of this document is to set guidelines for the future project teams pursuing any software development, and make them aware of the obstacles that hindered our project. It helps in evaluating the success of the project, in terms of what was planned and what part of it came out as the final product.

The project of StepByStep was undertaken by a team of Ten Students (Static Variables) for Software Engineering (IT 632)

2. General information

Project Name	StepByStep
Commence Date	30th July, 2014
Termination Date	16th November, 2014
Team	Group 9 (Static Variables)
Institute	DA-IICT
Course	IT 632 Software Engineering
Course Instructor	Dr. Asim Banerjee
Mentor	Anish Dave
Team Leader	Nilesh Chaudhary

3. Artifacts Checklist

Srno	Artifacts	Response
1.	Have project documentation and other items been prepared, collected, audited and archived	Yes
2.	Reviews well documented	Yes
3.	Feasibility Report (Accepted)	Yes
4.	Feasibility Report (Rejected)	Yes
5.	Project Proposal	Yes
6.	Project Plan	Yes
7.	SRS	Yes
8.	SDLC Document	Yes
9.	Gantt Chart	Yes
10.	Test Cases	Yes
11.	Draft User Manual	Yes
12.	System Test Plan	Yes
13.	Traceability Matrix	Yes
14.	System Design Document	Yes
15.	Documentation Standards	Yes
16.	Source Code	Yes
17.	Test Report Format	Yes
18.	Detailed Test Report	NO
19.	User Manual Final Draft	Yes
20.	Installation Manual	Yes
21.	Deployment Plan	Yes
22.	Minutes of Meting	Yes
23.	Time Sheets(Individual Members)	Yes
24.	Change Logs of Documentation	Yes
25.	Quality Assurance Document	Yes
26.	Data Dictionary	Yes
27.	Skill Matrix	Yes
28.	Use Case Walkthrough Scenario	Yes
29.	UI Evaluation	Yes
30.	Configuration Management Plan	Yes
31.	Risk Identification and Assessment	Yes
32.	Termination Analysis	Yes
33.	Product Presentation PPT	Yes

4. Deviations

The implementation of the Project threw up various challenges and we had to find our way past them and constantly adapt to changes and to strive to get back on track. During the entire phase of the project the team had incorporated several action plans and some short term goals were made at every meeting. The team members were novice as how to develop a system according to the Software Engineering Principles and there was a time constraint and an associated learning curve for the Technologies/Frameworks/ORM/Testing Strategies. Following Check list shows what were the functionalities we had planned to implement and Test while deciding the project scope and what all could be implemented.

Requirement	Implemented	Tested
Register User	✓	✓
Login User using Facebook	✓	✓
User Details and Password Recovery	✓	x
Create Goal	✓	✓
Edit Goal	✓	✓
Update Goal	✓	x
Delete Goal	✓	x
Create Milestones	✓	✓
Update Milestones	✓	✓
Delete Milestones	✓	✓
Set Reminder for Milestone	✓	✓
Android Application	✓	✓
Share Completion on Facebook	✓	x
Send Reminder	✓	x
Scalability	x	x
Security from Sql Injection	x	x

5. Lessons Learnt

- During the project timeline the team was able to understand the importance of human resources and how different it is from managing other hardware and software resources.
- The team also learnt how to plan accordingly to the project scope as we learnt that the two features we planned to implement could not be completed due to time constrain.
- The team got a good experience of dealing with development changes in real world as all of us were unaware of how are real clients dealt with.
- Each error should be given enough care and should not be left for the future as it may affect other phases and modules considerably. Errors should be checked as soon as

found. System and related documents should be reviewed and checked as soon as possible to avoid adverse conditions.

- Our team almost came to a point where we were going to lose all our data and work products in the last phase but as we had few back up and configuration management plans we could avoid the disaster. Always keep repositories where all work products can be saved. Identify all risks very carefully and plan accordingly.
- High quality documentations helps team in phases of coding, designing and integration. So unlike the common perception of documentation being a waste of time in disguise, the group found documentation to be of substantial significance. We had to keep referring the documents in almost every phase of the system development. Our SRS has been the most useful in all documents which helped us tracking user requirements.

6. Future Scope of the Project

The idea of Sharing Goals with other users similar to whatsapp group can be implemented, so that collaboration among users exists

7. Work Products and Member Involvement

Srno	Phase/Work	Members Involved
1.	PreDvelopment Phase	Entire Team Except Kishan Vegda
2.	Requirement Gathering Phase	Entire Team Except Kishan Vegda
3.	Design Phase	Enitre Team except Kishan Vegda
4.	Development Phase	Nilesh Chaudhary(Android Application/Database Implementation/Db Services) Hitesh Dhanwani(UI) Harshad Sindhav(Backend/Validation) Hitesh Chavda(Backend/Implementation of Features) Vaishal Shah(Backend and Implementation of features)
5.	Unit Testing	Nilesh Chaudhary Harshad Sindhav Hitesh Chavda Hitesh Dhanwani

		Vaishal Shah
6.	Testing Phase	Ripal Gajjar(Front End Test Cases) Vaishal Shah(Backend Test Cases/Test Plan) Dipesh Pandya(Backend Test Cases/Test Plan)
7.	Document Review	NiyamSan Chhaya Yatin RajSuman
8.	Documentation Standard	YatinRaj Suman
9.	Documentation Versioning Control	YatinRaj Suman
10.	Change Log Management	Dipesh Pandya YatinRaj Suman
11.	Termination Report	Nilesh Chaudhary
12.	Product Presentation	Nilesh Chaudhary
13.	Final Review and Change Mangement	Nilesh Chaudhary YatinRaj Suman

8. Conclusion

On the whole, it can be said that more than planning, designing and implementing, it is about working harmoniously in sync with other team members. If each member does his part properly, there is no space left for mistakes and even if there are, they can be corrected in a calm manner and not by heated arguments. With good understanding, few conflicts and difference in opinions, lot of learning, the group was able to develop a reasonably high-quality product in a timely and cost-effective manner whatever we could deliver. As a team we are very much thankful to each other for supporting as well this course and our course instructor to impart the knowledge and importance of Software Engineering Principles and to give us this precious experience of working together on a project which could always be cherished in our lives. This was a really nice experience for our life.