

Academia world buddy community



Project Advisor: Syed Farooq Ali

Project Co. Adviser: Ahtsham Ali

Submitted By:

Aqsa Tausif 13005065365

Rimsha Mashkooor 13005065340

Session:

2013 - 2017

University of Management and Technology

C-II Johar Town Lahore Pakistan

Dedication

We dedicate our work to our family and any person who encourage us and appreciate us for our work. Their appreciation motivates us and without their support we are not able to do this work.

Specially thanks to our advisor and co-advisor who completely guide us for our project. Under their guidance we complete our project.

We also dedicated the top social website like Facebook, Myspace and LinkedIn since we get an idea of buddy community in which students/users communicate with each other only for study purpose.

Final Approval

Panel of Examiners

- **Head of Department** _____
Department of Computer Science
UMT Lahore

- **Program Director (Final Year Projects)** _____
Department of Computer Science
UMT Lahore

- **Supervisor** _____
Department of Computer Science
UMT Lahore

- **Co-Supervisor** _____

Acknowledgment

Any task in this world is not complete without their surrounding peoples' appreciation and support, with their appreciation and support nothing is impossible.

We would like to thank for the support of our family members for their incalculable prayers and the institute, University of Management & Technology, Lahore from where we learn and improve our ability to prove ourselves and also get a better education under the guidance of highly qualified teachers.

We would like to give a special thanks to our supervisor Syed Farooq Ali and Co-Advisor Ahtsham Alif for their precious time and complete guidance. They encourage and motivate us to complete this task. Their motivation reacts as a strength for us. Without them, we are not able to complete our project. We are very grateful for their encouragements.

Project Title: Buddy Community

Objective: Implementing a social networking website Buddy Community for better communication between students for learning purpose using online whiteboard and rating them according to their satisfaction with their study partner.

Undertaken by: Aqsa Tausif, Rimsha Mashkooor

Supervised by: Syed Farooq Ali, Ahtsham Ali

Starting Date: 1-MAY-2016

Completion Date: 20-JULY-2017

Tools Used: Html5, CSS3, Bootsrap, PHP, Xampp, Notepad++, MySql, JQuery, MySQL Workbench

Operating System: Microsoft Window 10

Documentation: Product Base

Plagairism Report

Abstract

Now a day's social website has become very popular for social interaction. Social website has got much popularity in the recent years the reason behind this much popularity is that such kind of sites gave opportunity for users to connect with each other in an easy and timely manner in this way user exchange and share various kinds of information. However, according to their architecture these sites built on based upon the centralized paradigm, which limits the mobility of their users and ultimately their chances establishing new relationships and also benefiting from diverse networking services. According to emerging studies, youth spends a major time on social media. In this project of Buddy Community. We design this website for interaction of student/users for study partner.

The Buddy Community website project itself is a huge project comprising various features like updating profile, Post study partner, Search study partner, Chat, Whiteboard and Rate the study partner and these are the main features of this website.

REVISION CHART

Version	Primary Author	Description of Version	Date Completed
Draft	Aqsa Tausif Rimsha Maskhoor	In the very first draft we were adding the requirements for the better acknowledgement of the System. In which we write our system user, Affected group from socially and economically, complete use case and write an extended use case of our system to understand the actual implementation of our system.	1/10/2016
Preliminary	Aqsa Tausif Rimsha Maskhoor	In the preliminary draft we were adding the DFD level 0, 1, 2, sequence diagram, collaboration diagram and system architecture of our system. In this draft we also write the domain, stakeholders, related project introduction and feature comparison, motivation, project overview, problem statement and objectives of our system.	21/10/2016
Final	Aqsa Tausif Rimsha Maskhoor	In the final draft we were adding the ERD diagram and data dictionary of our system. We were also add the implementation detail. Finalized the complete document according to final review and made any changing that is required for our System.	7/12/2016
Revision1	Aqsa Tausif Rimsha Maskhoor	In Revision 1 draft, we can review the whole document and make changing where changing is needed.	19/05/2017
Revision 2	Aqsa Tausif Rimsha Maskhoor	In Revision 2 draft, we can make the sequence diagram of every functionality.	18/06/2017
Revision 3	Aqsa Tausif Rimsha Maskhoor	In Revision 3 draft, we can review the documents and add the prototype of our system.	11/07/2017

Version	Primary Author	Description of Version	Date Completed
Revision 4	Aqsa Tausif Rimsha Maskhoor	In Revision 4 draft, we can write the all development and deployment step in our system and also add Pre-requisites in our document.	15/07/2017
Revision 5	Aqsa Tausif Rimsha Maskhoor	In Revision 5 draft, we can add all the extended text cases of our system.	21/07/2017
Revision 6	Aqsa Tausif Rimsha Maskhoor	In Revision 5 draft, we can add the Conclusion, future work, decision coverage table code snippets and also code in the appendix.	25/07/2017
Revision 7	Aqsa Tausif Rimsha Maskhoor	In Revision 6 Draft, we can finalize our document with the traceability matrix of our system RID vs UCID, RID vs PID, RID vs TID and UCID vs TID. And also find the Completion, accuracy and correctness statistics of the system.	30/07/2017

TABLE OF CONTENTS

Definitions and Acronyms-----	15
List of Figures-----	16
List of Prototype-----	17
List of Tables -----	18
1. Introduction-----	19
1.1 Motivation -----	19
1.2 Project Overview-----	19
1.3 Problem Statement-----	Error! Bookmark not defined.
1.4 Objectives -----	Error! Bookmark not defined.
2. Domain Analysis-----	Error! Bookmark not defined.
2.1 Customer -----	Error! Bookmark not defined.
2.2 Stakeholders -----	Error! Bookmark not defined.
2.3 Affected Groups with social or economic impact -----	Error! Bookmark not defined.
2.3.1 University Students: -----	Error! Bookmark not defined.
2.4 Dependencies/ External Systems -----	Error! Bookmark not defined.
2.5 Related Projects -----	Error! Bookmark not defined.
2.5.1 Feature Comparison -----	Error! Bookmark not defined.
3. Requirements analysis-----	Error! Bookmark not defined.
3.1 Requirements -----	Error! Bookmark not defined.
3.1.1 Functional Requirements:-----	Error! Bookmark not defined.
3.1.2 Non-Functional Requirements: -----	Error! Bookmark not defined.
3.1.3 Administrator Functions:-----	Error! Bookmark not defined.
3.1.4 Constraints: -----	Error! Bookmark not defined.
3.1.5 Standard User Interface: -----	Error! Bookmark not defined.
3.2 List of Actors -----	Error! Bookmark not defined.
3.2.1 University Student: -----	Error! Bookmark not defined.
3.2.2 Administrator: -----	Error! Bookmark not defined.
3.2.3 Database: -----	Error! Bookmark not defined.
3.3 List of use cases -----	Error! Bookmark not defined.
3.4 System use case diagram-----	Error! Bookmark not defined.
3.5 Extended use cases-----	Error! Bookmark not defined.
3.5.1 Signup/Create Account-----	Error! Bookmark not defined.
3.5.2 Signin-----	Error! Bookmark not defined.
3.5.3 Build Profile -----	Error! Bookmark not defined.

3.5.4	View Post -----	Error! Bookmark not defined.
3.5.5	Post Study Partner -----	Error! Bookmark not defined.
3.5.6	Search Study Partner -----	Error! Bookmark not defined.
3.5.7	Profile-----	Error! Bookmark not defined.
3.5.8	Start Study Session -----	Error! Bookmark not defined.
3.5.9	Cancel Study Session-----	Error! Bookmark not defined.
3.5.10	Complete Study Session -----	Error! Bookmark not defined.
3.5.11	Delete Post -----	Error! Bookmark not defined.
3.5.12	Remove Account-----	Error! Bookmark not defined.
3.5.13	Logout -----	Error! Bookmark not defined.
3.5.14	Reset Password-----	Error! Bookmark not defined.
3.5.15	Admin Authority -----	Error! Bookmark not defined.
3.6	User interfaces-----	Error! Bookmark not defined.
3.6.1	SignUp-----	Error! Bookmark not defined.
3.6.2	SignIn-----	Error! Bookmark not defined.
3.6.3	Dashboard-----	Error! Bookmark not defined.
3.6.4	Post Study Partner -----	Error! Bookmark not defined.
3.6.5	Search Study Partner -----	Error! Bookmark not defined.
3.6.6	Profile-----	Error! Bookmark not defined.
3.6.7	Whiteboard+ Chat -----	Error! Bookmark not defined.
3.6.8	Course Status and rating -----	Error! Bookmark not defined.
3.6.9	Reset Password-----	Error! Bookmark not defined.
4.	Data flow diagram -----	Error! Bookmark not defined.
4.1	Data Flow Diagram Level 0 -----	Error! Bookmark not defined.
4.2	Data Flow Diagram Level 1 -----	Error! Bookmark not defined.
4.2.1	Student DFD level 1 -----	Error! Bookmark not defined.
4.2.2	Admin DFD Level 1 -----	Error! Bookmark not defined.
4.3	Data Flow Diagram Level 2 -----	Error! Bookmark not defined.
4.3.1	Student DFD Level 2 -----	Error! Bookmark not defined.
5.	System Design-----	Error! Bookmark not defined.
5.1	System Architecture Diagram -----	Error! Bookmark not defined.
5.2	Class Diagram -----	Error! Bookmark not defined.
5.3	Sequence Diagrams-----	Error! Bookmark not defined.
5.3.1	Sign Up-----	Error! Bookmark not defined.
5.3.2	Build Profile -----	Error! Bookmark not defined.
5.3.3	SignIn-----	Error! Bookmark not defined.

5.3.4	Post-----	Error! Bookmark not defined.
5.3.5	Search-----	Error! Bookmark not defined.
5.3.6	Start study session -----	Error! Bookmark not defined.
5.3.7	Chat -----	Error! Bookmark not defined.
5.3.8	Whiteboard-----	Error! Bookmark not defined.
5.3.9	Finish study session-----	Error! Bookmark not defined.
5.3.10	Cancel study session-----	Error! Bookmark not defined.
5.3.11	Rating-----	Error! Bookmark not defined.
5.3.12	Delete post -----	Error! Bookmark not defined.
5.3.13	Profile-----	Error! Bookmark not defined.
5.3.14	Remove account-----	Error! Bookmark not defined.
5.3.15	Reset password -----	Error! Bookmark not defined.
5.3.16	Logout -----	Error! Bookmark not defined.
5.3.17	Admin Authority -----	Error! Bookmark not defined.
5.4	Collaboration Diagrams-----	Error! Bookmark not defined.
5.5	ERD-----	Error! Bookmark not defined.
5.6	Data Dictionary-----	Error! Bookmark not defined.
5.6.1	User -----	Error! Bookmark not defined.
5.6.2	Student-----	Error! Bookmark not defined.
5.6.3	Adminstrator -----	Error! Bookmark not defined.
5.6.4	Profile-----	Error! Bookmark not defined.
5.6.5	Post-----	Error! Bookmark not defined.
5.6.6	Chat -----	Error! Bookmark not defined.
5.6.7	Study Session-----	Error! Bookmark not defined.
5.6.8	Online user-----	Error! Bookmark not defined.
6.	ImplementatiOn details-----	Error! Bookmark not defined.
6.1	Development Setup-----	Error! Bookmark not defined.
6.2	Deployment setup-----	Error! Bookmark not defined.
6.3	Algorithms -----	Error! Bookmark not defined.
6.3.1	SignUp-----	Error! Bookmark not defined.
6.3.2	Signin-----	Error! Bookmark not defined.
6.3.3	Post Study Partner -----	Error! Bookmark not defined.
6.3.4	Search Post-----	Error! Bookmark not defined.
6.3.5	Logout -----	Error! Bookmark not defined.
6.3.6	Forgot Password-----	Error! Bookmark not defined.
6.4	Constraints -----	Error! Bookmark not defined.

6.4.1	Assumptions -----	Error! Bookmark not defined.
6.4.2	System constraints -----	Error! Bookmark not defined.
6.4.3	Restrictions -----	Error! Bookmark not defined.
6.4.4	Limitations -----	Error! Bookmark not defined.
7.	Testing-----	Error! Bookmark not defined.
7.1	Extended Test Cases -----	Error! Bookmark not defined.
7.1.1	Signup -----	Error! Bookmark not defined.
7.1.2	Build Profile -----	Error! Bookmark not defined.
7.1.3	Signin-----	Error! Bookmark not defined.
7.1.4	Post Study Partner -----	Error! Bookmark not defined.
7.1.5	Search Study Partner -----	Error! Bookmark not defined.
7.1.6	Join Study Session -----	Error! Bookmark not defined.
7.1.7	Cancel Study Session-----	Error! Bookmark not defined.
7.1.8	Complete Study Session -----	Error! Bookmark not defined.
7.1.9	Chat Button on buddy Community -----	Error! Bookmark not defined.
7.1.10	Update Profile -----	Error! Bookmark not defined.
7.1.11	Whiteboard link -----	Error! Bookmark not defined.
7.1.12	Reset Button -----	Error! Bookmark not defined.
7.1.13	Remove Account-----	Error! Bookmark not defined.
7.1.14	Logout Button -----	Error! Bookmark not defined.
7.2	Decision Table-----	Error! Bookmark not defined.
7.2.1	Code snippet -----	Error! Bookmark not defined.
7.2.2	Decision coverage table -----	Error! Bookmark not defined.
7.3	Traceability Matrix -----	Error! Bookmark not defined.
7.3.1	RID vs UCID -----	Error! Bookmark not defined.
7.3.2	Prototypes (RID vs PID) -----	Error! Bookmark not defined.
7.3.3	Test Cases (RID vs TID)-----	Error! Bookmark not defined.
7.3.4	Coverage (UCID vs TID)-----	Error! Bookmark not defined.
8.	Results/Output/Statistics -----	Error! Bookmark not defined.
8.1	%completion-----	Error! Bookmark not defined.
8.2	%accuracy-----	Error! Bookmark not defined.
8.3	%correctness-----	Error! Bookmark not defined.
9.	Conclusion -----	Error! Bookmark not defined.
10.	Future work -----	Error! Bookmark not defined.
11.	Bibliography -----	Error! Bookmark not defined.
11.1	Books -----	Error! Bookmark not defined.

11.2	Journals	-----	Error! Bookmark not defined.
11.3	Articles	-----	Error! Bookmark not defined.
11.4	Research papers	-----	Error! Bookmark not defined.
12.	Appendix	-----	Error! Bookmark not defined.
12.1	Pre-Requisties	-----	Error! Bookmark not defined.

Definitions and Acronyms

Acronym	Definition
UMT	University of Management and Technology
AWBC	Academia world Buddy Community
SS	Social Site
DB	Database
SNS	Social Networking Site
PSP	Post Study Partner
SSP	Search Study Partner
WB	Whiteboard

Table 1: table of acronyms and definitions

List of Figures

Figure 1: System User use case Diagram.....	Error! Bookmark not defined.
Figure 2: System Admin Use Case Diagram	Error! Bookmark not defined.
Figure 3: DFD Level 0.....	Error! Bookmark not defined.
Figure 4: Student DFD Level 1.....	Error! Bookmark not defined.
Figure 5: Admin DFD Level 1.....	Error! Bookmark not defined.
Figure 6: Student DFD Level 2.....	Error! Bookmark not defined.
Figure 7: System Architecture Diagram	Error! Bookmark not defined.
Figure 8: Class Diagram	Error! Bookmark not defined.
Figure 9: System Collaboration Diagram	Error! Bookmark not defined.
Figure 10: ERD.....	Error! Bookmark not defined.

List of Prototype

Prototype 1: (P1) Signup a new Member	Error! Bookmark not defined.
Prototype 2: (P2) Signin.....	Error! Bookmark not defined.
Prototype 3: (P3) dashboard.....	Error! Bookmark not defined.
Prototype 4: (P4) Post Study Partner	Error! Bookmark not defined.
Prototype 5: (P5) Search Study Partner	Error! Bookmark not defined.
Prototype 6: (P6) Profile	Error! Bookmark not defined.
Prototype 7: (P7) White Board + Chat.....	Error! Bookmark not defined.
Prototype 8: (P8) Course Status and rating.....	Error! Bookmark not defined.
Prototype 9: (P9) Reset Password.....	Error! Bookmark not defined.

List of Tables

Table 1: table of acronyms and definitions	15
Table 2: list of stakeholders	Error! Bookmark not defined.
Table 3: Related project feature comparison.	Error! Bookmark not defined.
Table 4: Functional Requirements	Error! Bookmark not defined.
Table 5: Decision Coverage Table.....	Error! Bookmark not defined.

1. INTRODUCTION

1.1 Motivation

The idea came up in our mind from other social networking sites like Facebook, Myspace, Twitter, LinkedIn and Instagram etc... Since their introduction have attracted millions of users so we decided to make a project Buddy Community that is basically a social site specially design for interaction of University student for study purpose. Buddy Community is an online service in which user interaction over the internet with other people and this is also effective way to post study partner, Search study partner, Update Profile, chat, whiteboard (where the user can do online study) and rating the study partner etc.

1.2 Project Overview

The objective of this project is to mobilize youth, especially university students in order get an experience of combining study using our website and guide each other for assignments and project etc... Especially first semester students as they face many problems regarding their studies as they are new comers in university.

In order to join our site user just Signup and build their profile in five steps on our site and become a member of buddy community where user can build their profile, do PSP (Post study partner), see desire post on dashboard and also SSP (Search study partner) according to their selected category and start the study session with their study partner whom posts they selected just only for study purpose. They can make their schedule while chatting with their study partners and use the WB (Whiteboard) functionality to solve their problem with each other. After finishing their study, the enrolling partner can rate their selected study partner. Only one user can join the post and that post should be hidden from other users. Using this site students gets opportunity to get experience with their university friends and other brilliant students who help each other in solving study problems like assigned tasks and projects.