Final Year Project Report

Cell Mesh

Project Advisor

Miss Emmen Farooq

Submitted By

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Session

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University of Management and Technology

C-II Johar Town Lahore Pakistan

Dedication

This project and work done by our group members, it is dedicated to our parents who taught me that the best kind of knowledge which is learned for its own sake and also Miss Emmen Farooq (project advisor) who taught us that even the largest task can be accomplished if it is done on time. She helped us in all the possible way. We appreciate the efforts of the Miss Fasiha Ashraf, Co Advisor of our final year project, we are also thankful to Miss Arfah Azhar , Assistant Professor of Computer Science department. All the respected faculty members of UMT are also appreciated for their support and believe in us.

Final Approval

Panel of Examiners

1) **Head of Department** _____
   Department of Computer Science
   UMT Lahore

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

3) **Supervisor** _____
   Department of Computer Science
   UMT Lahore

4) **Co-Supervisor** _____

Acknowledgment

I am highly appreciating to the entire team and as well as our faculty of University of management and technology and specially our advisor Miss Emmen Farooq, my friend and for their support and shows trust on our team as well as for providing necessary information regarding the project.

Project Title	*Cell Mesh (Screen Sharing App)*
Objective	*To share screen between two mobiles efficiently*
Undertaken by	*Muhammad Bilal Khalid* *Rana Abdul Wajid* *Usama Ali Khan*
Supervised by	*Miss Emmen Zuhaib*
Starting Date	*23-oct-2016*
Completion Date	*10th - Jan- 2018*
Tools Used	*Android Studio, MS Office*
Operating System	*Android platform*

Documentation

- *MS Office*
- *Draw.io*

Abstract

The basic idea of this app is to facilitate users to share their mobile screen with other mobiles efficiently so he/she can easily saw a common interest thing in an efficient way. The biggest challenge that we have faced in developing this app will be a good design and including friendly user interface. Good design can make development easy and also easily divide a task to our team member with a lot of responsibility. To avoid coupling in our design will allow quality verification and also improve flexibility in case of modification at large and complex stage. Our focus is to design a new and better platform for the customer where they can easily share their mobile screens with their friends and family.

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
1.0	Bilal khalid	Initial version created for distribution and review comments	23/10/2016
1.1	Abdul Wajid Usama khan	Second version incorporating initial review comments, distributed for final review	12/11/2016
2.0	Abdul Wajid Bilal khalid	First complete version, which is placed under change control	28/1/2017
2.1	Bilal khalid Abdul wajid	Revised version, revised according to the change control process and maintained under change control	27/2/2017
2.2	Abdul Wajid Usama khan	Revised version, revised according to the change control process and maintained under change control	22/7/2017

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LIST OF FIGURES

1. INTRODUCTION

Our plan in this final year project is to develop an Android mobile application, which allows the users to share their mobile screens with their peers and view their peers screen on their smart phones. Ever wanted to give another Android user a hand? Cell mesh lets you easily share your screen to another Android user. With just a couple clicks, you can request to view another user's Android. Once connected, you can optionally start a voice chat, and draw on their screen to guide them through their issue.

Great for:
** Helping friends and family out with phone troubles*
** Customer support for Android apps*
** Teaching new Android users*

1.1 Project Overview

The main objective of this project is to develop an application which enables users to share their mobile screens with others and they can also view others screens on their mobiles. This application is for everyone who wants to stay connected with their friends. This application is an entertainment app through which users can see movies, songs pictures of any other type of data together from different locations on a single platform. We can also help our friends and customers through its remote assist feature which enables user to draw on connected device screen to guide them through their issue. You can also share your thoughts through this application by its optionally voice chat feature.

1.2 Problem Statement

Many window based applications like team viewer, Skype, zoom etc allows users to share their screens with others but this feature is absent in android level. There are many other mobile applications that allow users to share screens between mobiles and tabs and LCDs. Users also wants to share their mobile screens with others to share videos, pictures and other stuffs. In Skype mobile application the share screen feature is not supported so we think this feature has to be in android platform also. We saw team viewer application is highly used now days and has very good ratings. Team viewer also introduces its mobile application but sharing screens between two mobiles feature is absent, this application allows sharing screens between LCDs, tabs, PCs only. These are the problems from which I decided to develop a mobile application which enables screen sharing between two mobiles efficiently.

1.3 Customer

This is simple user to user model app that will be used by any type of user in any environment. This app will connect user directly with other user. He /she will be presented by an automatic generated access code. He/she will tell this access code to the user he/she wants to share his screen and after entering this access code one user will see the other user mobile screen efficiently. Our targeted user for this application is the people of all over the globe.

1.4 Affected Groups

- *All people around the globe.*