Final Year Project Report

Android pc controller

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Session

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University of Management and Technology

C-II Johar Town Lahore Pakistan

Dedication

I owe this project to my parents who taught me to work hard as its the key to success and this is because of them who kept me motivated throughout this task with their concerned behavior.

Final Approval

Panel of Examiners

- **Head of Department** _____
  Department of Computer Science
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- **Program Director (Final Year Projects)** _____
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- **Supervisor** _____
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- **Co-Supervisor** _____

Acknowledgment

I've done my best for this project but indeed it wasn’t possible for me to make it done without the help of many kind people and respected organizations. I highly contribute the credit of this completed project to all of them. All of above Special thanks to my Sir Rao Faizan who made it easier for me by sharing his information and knowledge regarding this project.Also I am grateful to my University (UMT) who provided me with this opportunity and members who helped me in completion of this project by their kind cooperation and encouragement.

Project Title

Android PC Controller

Objective

This document will tell about the use of this application.The objective of this application is to control the computer using mobile phone such as to control keyboard and mouse,to start and stop application.It will help teachers,bank employees and students for demonstration purpose as well as it will provide help for the people who like to sit in one corner and want to use their PC on mobile.

Undertaken by

Isfahan Abid	13005065024
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Starting Date **15/1/2017**

Completion Date 29/1/2017

Tools Used

Android Studio SDK, Eclipse

Operating System

Android, windows

Documentation

Abstract

This application is android oriented. For operating this app some steps like Port Assigning and socket programming have to be performed.For the connection of two processes Interprocess Communication Technique will be used.The functionality is simple as soon as the pairing of devices is done then by using socket programming one can send commands to the server.

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REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
Draft	Anum Khan	Mention tables and figures and list the tables and figures and motivations, objectives, requirements etc. according to template.	9/9/2016
Preliminary	Isfahan Abid	Implement diagrams using tools and write extended use cases according to the use case diagram.	20/10/2016
Final	1Isfahan Abid	Implement use cases as implemented in revised use case diagram.	16/8/2017
Revision 1	Isfahan Abid	Check all the diagrams and use cases	20/8/2017
Revision 2	Anum Khan	Check all the requirements and other things	26/8/2017
Revision 3	Anum Khan	Check the plagiarism of the document	30/8/2017

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Definitions and Acronyms

Acronym	Definition
APC	Android PC controller
IPC	Inter Process Communication
IP Address	Internet Protocol Address

Table 1: table of acronyms and definitions

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1. INTRODUCTION

1.1 Motivations

Motivation behind this project is to establish a connection between android device and computer.

1.2 Project Overview

The objective of this application are to control the computer using mobile such as to control keyboard and mouse, to start and stop application. It will help people to sit back and control their PC on android.

- *Everyone needs comfort which using pc stuck on a chair with mouse and keyboard in your hands can't provide. This application will give users a better platform to use their pc without the use of mouse and keyboard.*
- *Android pc controller will allow its user to save a lot of effort by using their android device as a controller of pc*
- *The goal is to make this application user friendly and effective*
- *The system is first connected to a WI-FI router and then mentions the IP address of the computer which is running the host application and mentions the port number. After successful connection the system can now be controlled from an android device.*
- *The system is flexible and excludes the use of mouse and keyboard*