

# Windows Toolkit

Developed by

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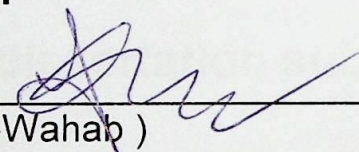
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It is certified that we have read the project report submitted by Parvez Mahmood, and it is our judgment that this project is of sufficient standard to warrant its acceptance by the Bahria Institute of Management and Computer Sciences Islamabad, for the award of Masters Degree in Computer Science (Majors in Software Engineering).

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**Dedicated to**

**Life and Learning**



## Acknowledgement

Every student who has the privilege to complete a university degree program has a lot of people to thank for the support needed throughout this endeavor. Parents, teachers, sisters and brothers, all rejoice on the success of the student and need to be thanked for their moral, financial and psychological help.

I am not an ordinary student. I joined Bahria University for my Masters Program after completing a full, and rather successful, career in the Pakistan Air Force where I served for over 28 years. Luckily I had not exhausted the mental and physical strength required to embark, abinitio, on an entirely different career in computer sciences. To complete the program, and to do well in it, I worked like I had not worked in my life. I ate, drank and slept with my books and computer, day in and day out. I have sat in front of my computer starting from the early evening, through the night, till the day broke. No wonder, I caused an early demise of one of these machines. In order to acquire the maximum possible knowledge about my chosen field, I bought a whole library of books, and read each one of them. I was in hurry to make up for the late start. In between I accepted to look after a school in the morning which proved to be a challenge to my stamina because I had to be there from morning till after one O' Clock in the afternoon, be in university from 1515 to 2015, and then come back home and complete my studies and projects. In the end, out of the four regular semesters, I managed to top in three and came second in one.

The purpose of the above account is to state and admit that this undertaking, hard enough for a youngster to complete without the support of loved and near ones, would not have been at all possible, at my this ripe age, without the active, continuous, untiring and whole hearted support of my family, consisting of my wife and two daughters.

A father has many responsibilities. There are a host of routine jobs that a father looks after unobtrusively. I had to shift nearly entire burden on their shoulders. Luckily, my wife and my elder daughter can drive and they showed no hesitation to take over day-to-day responsibilities. Both my daughters took care of my comfort, cheering me up when I was tired and exhausted, and urging me on not to loose heart.



Therefore, I want to limit my acknowledgement to my wonderful family and take this opportunity to thank my wife, Yasmin, and my wonderful daughters, Sana and Hina, for the help and support that they provided throughout the previous three years.

I also owe a lot to my teachers at Bahria, and their contribution cannot be understated. They have been a source of constant guidance and knowledge. I especially thank my supervisor Mr. Shaftab Ahmed for having guided me throughout this project. Bahria is a good place for learning. It provides a favorable environment for those who want to work. Some of the faculty members can certainly be compared with the best in the country. I am deeply indebted to them all for providing me a sound start in my new career.



## **Declaration**

I hereby declare that this project report, neither as a whole nor as a part thereof has been copied out from any source. It is further declared that I have developed this software as a partial fulfillment for the requirement of Masters Degree in Computer Sciences. If any part of this report is proved to be copied, I shall stand by the consequences. No portion of the work presented in this report has been submitted in support of any application for any other degree or qualification of this or any other university or institution of learning.

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## PROJECT IN BRIEF

**Project Title** : Windows Toolkit

**Undertaken by** : Parvez Mahmood

**Supervised by** : Mr. Shaftab Ahmed  
Assistant Professor, Department of Computer Sciences,

**Tools Used** : Visual C++  
Microsoft® Development Network  
MS® office

**Operating System** : Windows™ 98  
Windows™ 2000

**System Used** : Intel® Celeron™



## Preamble

Inquisitiveness begets progress. Evolution of the Homo sapiens, from the cave dwelling hunters to space exploring astronauts, has been based on their desire to question the order of things as they find them and to shape the world in their own image.

Human development has been slow but continuous. It has been a journey covered, for most part, in small steps, by people who may or may not be known to recorded history, but whose presence is always felt. Who invented the wheel? Who initiated the art of counting on the fingers? Who picked up a piece of charcoal in the ancient caves and started drawing the images of things around him? Who planted a seed of corn? We will never know because mists of antiquity hide those details but we know that they were someone with an inquisitive mind, with the desire and courage to do what had not been done before and what they deemed fit to be done for the betterment of his fellow beings.

With the advent of civilization, there arose a growing need to organize the system of human inquiry. This led to the establishment of schools, universities and institutions where ideas could be conceived, floated, discussed and pursued. Libraries evolved to house the wealth of knowledge thus created, and to make it available to those who wanted to broaden the frontiers of that knowledge. This gave continuity as well as momentum to the vehicle of scientific and social discoveries. Galileo benefiting from Plato and Pythagoras, Newton capitalizing on Keppler and Galileo, Einstein building on Dalton and Newton, Von Neumann utilizing the Boolean and De Morgan's theorems. That is the story of human development.

A social community that cannot allow its individuals the freedom of thought and expression, is not entitled to be called social. Freedom of thought and action is the every essence of *Ashraf ul Mukhluqat*. This is one trait that lifts the humans above their fellow animals. A society must tolerate new ideas. It has the freedom not to accept and follow them but it must tolerate them being expressed and explored, because the ideas will survive though the community itself may not.



Abraham was thrown into fire but the humanity stands united on his concept of One Supreme God. Mansoor was hanged but the cry of *Anal Haq* lives on. Galileo recanted but the Mother Earth continues to circle the Sun. It is their parent societies that stand guilty in the court of history.

Progress is borne of inquiry. Inquiry is the essence of mankind. One of the greatest and enduring sights is that of a child asking, "What is this?" One of the most satisfying tasks for a grown up is to try and satisfy this basic question, and the train of questions that usually follows. That is proof enough that man is born free. Yet there are those amongst us whose reply to this innocent query is a stern, wicked and inhuman, "Don't you ask this." Every student must come out of his *alma mater* an emancipated individual. It is, therefore, one of the prime duties of educational institutions to be ever on guard to discourage, indeed shun, such inhuman behavior amongst its faculty as well as the students.

May every individual, for at least once in his or her lifetime, embark on the voyage of serious inquiry. It is the very fulfillment of our birth and being. It is the only road to development, and freedom from ignorance and want.



## **Abstract**

The Windows Toolkit encapsulates many of the functions found in the Windows™ Operating System and some more. However they have been grouped together in one simple to operate application.

The application is dialog based. The first dialog has a menu bar that provides link to all the functionality available in the toolkit. The menu items have various options that provide user access to the toolkit.

There are eighteen (18) different dialog boxes which open on the menu commands. There are two more dialog boxes, which appear as an offer of options or results to the user. There are thus twenty (20) dialog boxes incorporated in the toolkit.

The functions provided are mainly a combination of functionality provided by the Explorer, Find and System Information tools of Windows™. However the improvement is in the form of some additional options which Microsoft™ did not deem fit to provide and the in the fact that all these functions have been grouped together under on umbrella.

Each dialog box has a help file attached to it where the basic help about the functionality available in that particular dialog box can be found. There are only a few places, where the user has to click buttons to get the results. Mostly simple selection of an item is sufficient to begin the execution. The idea is to afford the maximum possible ease to the user.

Effort has been made to keep the user informed of the execution. Some of the results are displayed after a rather long delayed. The information to the user keeps him/her from getting edgy and restless.

All the dialog boxes have been suitable illustrated with bitmaps to make them colorful. The layout has been planned keeping in mind the requirement of having a lively, attractive and interactive interface



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