# Implementation

## Introduction

Implementation is the process of carrying out or execution of plan, design or specification for doing any particular tasks. It is one of the important phase of software development. In this phase, actual coding of system is done with various testing and evaluation. Bugs that occurs during testing are fixed and system is ready for deployment. Necessary user training and appropriate documentation is done in this implementation stage.

## Programming language

Java is used as the main programming language and MySQL as database in this application.

JAVA:

Java is a programming language and computing platform first released by Sun Microsystems in 1995. Currently it is own by Oracle Corporation. It is high level and object-oriented programming language. It is also machine or platform independent. (Rouse, 2014)

It can be used to develop desktop based application. It is one of the most popular and powerful programming language. It is compatible with all platform like Window, Linux, Mac OS etc. Java supports various database. Java supports various inbuilt libraries which makes development process easier and faster.

MySQL:

MySQL is the popular open source relational database management system based in Structured Query Language. It is reliable, efficient and fast. It runs on virtually all platforms. Hence, it can be used in a wide range of application. It can handle large volume of data. (Rouse, 2014)

## Development Environment

Integrated Development Environment (IDE):

NetBeans is open source java based integrated development environment which is designed to write down and compile codes. It helps to reduce error in coding. It has cross platform supports i.e. it can run in Window, Linux and Mac OS. It has auto complete features which helps to write code fast and easily. (Rouse, 2014)

Development Platform:

Window platform is used in developing this system. The version of Window OS is Window 10.

Other Tools:

Various types of tools are used in developing this system. Star UML is used to develop different types of diagrams. Visual Paradigm is used to develop E-R diagram.

## Deployment Strategy

This is one of the important process where software is installed in the user’s system. User can’t access to the system without this process. Since software is developed in java programming language, at first user computer must have java installed in their system. For database user computer must have MySQL running. With this requirement user can easily play game without any interruption. As this is first version of the game so, there is no any problems relating to existing system and database migrations.

## User Training

Break the wall is desktop game based on platform where user only have to control the player to avoid killing player. User doesn’t need special training for playing this game. For guideline user can read help after logging into system. It will help player to gain basic concept of game as well as play game. It also displays necessary keys for player movement.

## Conclusion

Since the implementation phase was carried out magnificently, break the wall game was developed successfully. All the necessary things are documented with programming language (JAVA), database (MySQL) and IDE (NetBeans) used in the implementation phase. Different tools and platform used are also provided. User training and system deployment plan are also provided for the betterment of user experience.

# References

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