Project Requirement

**By Zeeshan Abbasi**

**Revision 1.1**

**CMSC 495-7981**

**Revision History**

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| **Revision Number** | **Date** | **Description** | **Name(s)** |
| 1.0 | 4/9/20 | Initial document created. Project Specification added, Schedule Created, Software Management added. | Zeeshan Abbasi |
| 1.1 | 4/9/20 | System Specification added. Revision table created. | Zeeshan Abbasi |
| 1.2 | 5/3/20 | Updated Requirements | Zeeshan Abbasi |
| 1.3 | 5/3/20 | Functional and non-functional requirements are added | Zeeshan Abbasi |

**TOPIC: “**Online Life Insurance Portal**”**

Online Life Insurance Portal (OLIP) is a web based application which provides facilities to the users such as getting information about Life Insurance services, creating user profiles, getting a suitable insurance plan using the website.

* **MAIN PURPOSE**: The main purpose of this project is to provide a user friendly interface, providing many facilities to the users at the ease of a click.
* **SCOPE:** The project is intended to develop a web application for users who need information related to the Life insurance policies, or customers who wish to buy a policy online. The insurance company currently uses a manual system to maintain customer information and insurance records. Our aim is to automate this process by providing an application that helps perform all the functionalities through web application because it is more efficient and faster than manual system.
* **OBJECTIVES:** The objectives of purposed systems are:
* It consumes minimum time.
* It has more data security.
* Retrieval of data is very easy.
* Make accuracy and efficient calculation.
* Provide proper information briefly.
* Provide huge maintenance of data.
* Flexibility of transaction can be completed in time.
* Easy to maintain all data.

This OLIP website is based on three interfaces, Admin Interface, user interface and guest interface but in this class only user interface will be made due to shortage of time. All the work will be done on only user interface.

# Requirements:

(Functional Requirements)

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| --- | --- |
| **Requirement #** | **Description** |
|  | System shall enable that a user can see proper website front end is displayed when user open web page of website. |
|  | System shall enable that a user can login to account |
|  | System shall enable that a user can view and change his profile details.  . |
|  | System shall enable that a user can view his policy details. |
|  | System shall enable that a user can view due date for his premium payment. |
|  | System shall enable that a user can view and change his payment method details. |
|  | System shall enable that a user can check his payment history. |
|  | System shall enable that, If error happens, again login must be provided. |
|  | System shall enable that a user can log out from the account |
|  | System shall enable that a user can change password |
|  | System shall enable that a system shall provide a signup page |

## Non Functional Requirements

### Performance Requirements

Since this software is going to web – based, it does require a powerful server machine with high bandwidth internet access.

Server machine should have a powerful CPU and high speed internet access so that it can handle multiple users at the same time. Another performance requirement is the storage space. Higher storage space means more users, better the performance**.**

Performance requirement by the user side is, web application should be developed as a lightweight web app so that it can work on almost any platform even with slower internet connections.

Expected number of simultaneous user should be at least 50. Server must be able to deal with 50 users at the same time. Also database of the system should handle at least a thousand of user’s data at any periods.

### Security Requirements

Since this software will be hosted on a server, all the user data will be kept on the server. Product should be able to protect privacy of user data. The data of the user should only be accessed through user’s own credentials and any other user should not be able to access to other user’s private data. Also rights of the user should be restricted so that user can not harm others.

Since all the data will be transferred on the web, system should also use an encryption and decryption mechanism only intended user can decode the data and work on the data.

### Usability

The system is a complete package which provides facility of Online purchasing a life insurance policy.

### Reliability

The system is highly reliable and secure. The complete care is taken that minimum bugs & errors are generated. The system is reliable because the admin will always have a watch on the system.