

# AVBOB Policy Application

## Functional and Technical Design Specification

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## Contents

1. Functional Requirements .....	3
1.1 Application Screen 1 .....	3
2. Technical Specification .....	4
2.1 Application Architecture .....	4

# 1. Functional Requirements

## 1.1 Overview

Organize the project so that it's easy to understand and easy to change as the project grows.

Layer the application so that is easy to identify the domain entities, UI, web API's and frameworks.

## 1.2 Application Screen 1

The purpose of the screen requirements is to give you an idea of the fields used, validation rules as well as the way/sequence in which they will be accessed.

Images, logos etc. will be added during the User Interface Design, and is not important for this cycle.

The screenshot displays the AVBOB Policy Application web interface. The browser address bar shows <http://localhost/policyapplication.co.za>. The main content area is divided into two sections: "Policy Holder Details" and "Policy Holder: Policies".

**Policy Holder Details:** This section contains a form with the following fields: ID Number, Initials, Surname, Date of Birth, and Gender. A red callout bubble points to the ID Number field with the text: "Autocomplete: search policy holder(s) while the user types". Below the form is a "Save" button.

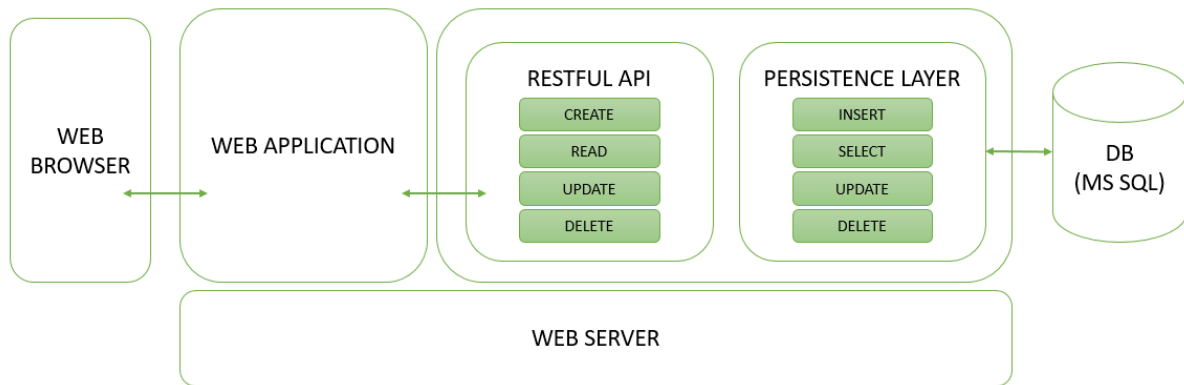
**Policy Holder: Policies:** This section contains a table with the following columns: Policy Number, Policy Type, and Installment. The table has five rows. Below the table is an "Add" button.

**Policy Details:** This is a modal window with the following fields: Policy Number, Policy Type (dropdown), Commencement Date (date picker), Installment, and Application Form (file upload). Below the Application Form field is an "Upload" button. At the bottom of the modal are "Save" and "Cancel" buttons.

## 2. Technical Specification

### 2.1 Application Architecture

Use the following architecture when designing and developing the AVBOB Policy application.



## 3. Additional Requirements

### 3.1 The ID Number must be encrypted before saving the data in the database

Please implement this feature in the solution that you created.

### 3.2 E-Mail

Add e-mail capability.

Mock the service, you do not have to complete the concrete implementation.

### 3.3 Application Form

The uploaded application form must also be stored at the DR site.

Recommend at least one solution on how to securely implement this requirement.