Bob’s Computer Repair Shop

TECHNICAL DESIGN DOCUMENT

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| Rochelle Markham | 10/28/20 | Created Document | 1.0 |
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# SECTION 1: INTRODUCTION

## Purpose

Bob’s Computer Repair shop needs an application to perform calculations and print invoices for customers. They need to be able to select multiple services using a checkbox system and have the totals added to the invoice. They also need form entry boxes for adding in a calculated hourly rate for the service charge and for the cost of parts required for the repair. They also need a calculate button that will produce a summary that can be printed to be given to customers. The application will be created using Angular and the UI will be created with Angular Material, utilizing flex-layout. Angular forms will be used to create entry boxes and other application elements.

## Terminology

|  |  |
| --- | --- |
| **Name** | **Comments** |
| Angular | https://angular.io/docs |
| UI | User Interface |
| Angular Material | <https://material.angular.io/> |
| Flex-layout | <https://github.com/angular/flex-layout> |
| Angular Forms | https://angular.io/guide/forms-overview |

## 

## Pc Repair Logo Images, Stock Photos & Vectors | ShutterstockRelated Documents

Bob’s Computer Repair Shop Logo

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## Reviewers

|  |  |  |
| --- | --- | --- |
| **Approvers** | **Name** | **Date** |
| **Approved By (**Client Acceptors, can be more than one) | Bob | 10/27/20 |
| **Approved By** (Solution Architect) | Professor Krasso | 10/27/20 |
| **Approved By (**Development Team) | Peter Itskovich | 10/27/20 |

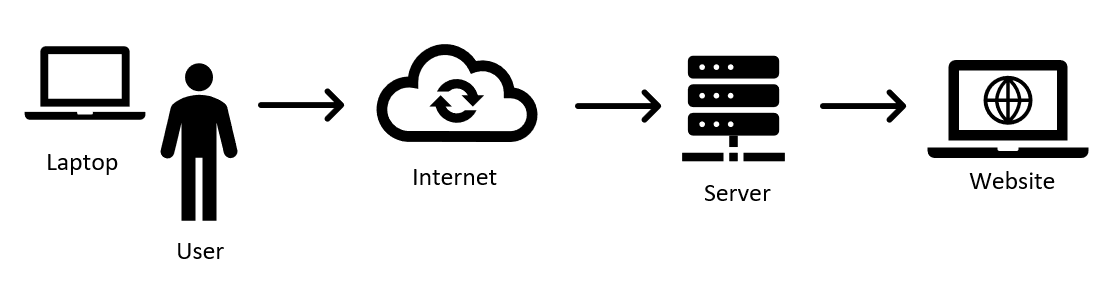
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## Required Skills

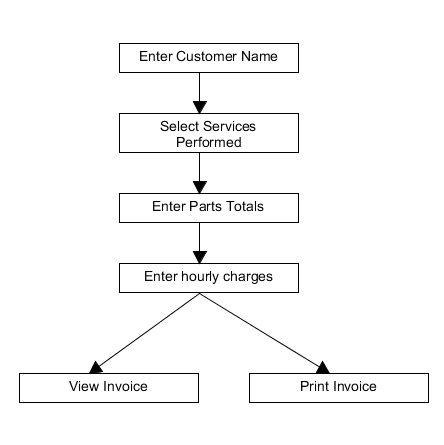
To build this application, the developer must have a good knowledge of Angular and Angular Materials. It also requires developers to be familiar with flex layout and Angular Forms.

# SECTION 2: Architecture

## Physical Architecture

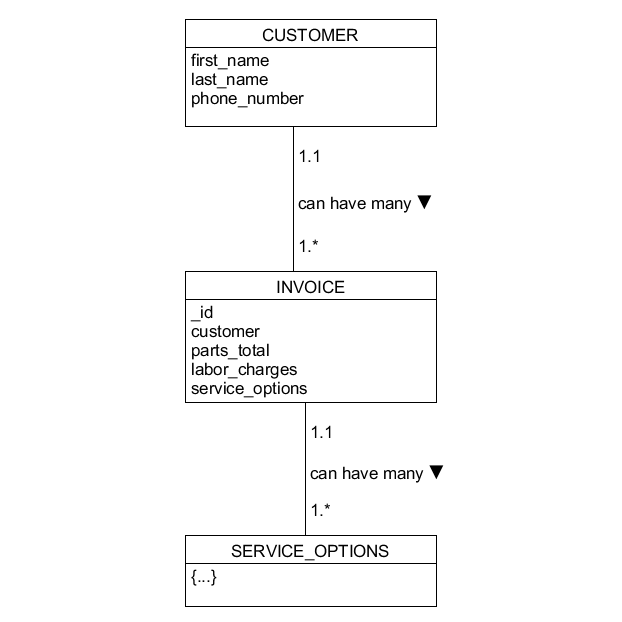


## Logical Architecture

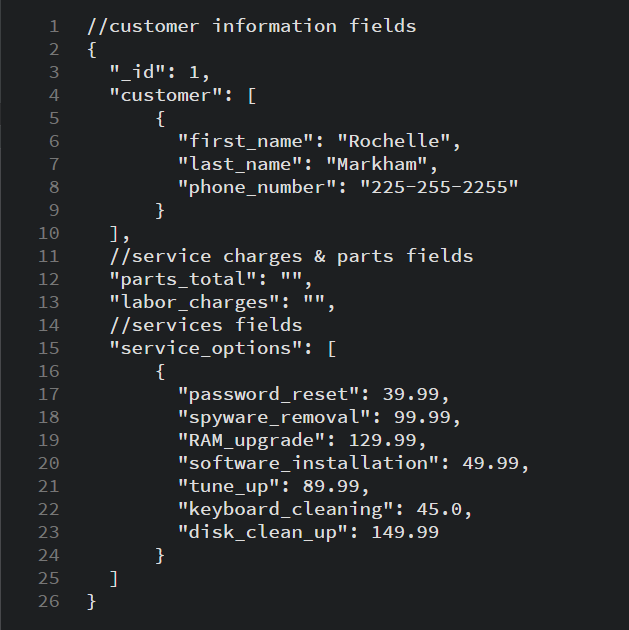


# SECTION 3: PROCESS DESIGN

## Object Relational Diagram(s)



## NoSQL Data Structure

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## Wireframes

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# SECTION 4: REFERENCES

<https://material.angular.io/>

<https://angular.io/>

<https://angular.io/guide/forms>