Bob’s Computer Repair Shop

TECHNICAL DESIGN DOCUMENT

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| **Author** | *Cory Gilliam* |
| **Last Updated** | 2/17/2020 8:15 AM |
| **Version Number** | *1.0.0* |

**Version History**

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| --- | --- | --- | --- |
| Name | Date | Reason for Change | Version |
| *Gilliam, Cory* | *2/17/2020* | *New Project* | *1.0.0* |
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# SECTION 1: INTRODUCTION

## Purpose

Allow users to choose which services they would like to have done for their computer on a single page and save and/or print off an invoice summary for personal records.

Allow employees to enter parts and labor costs, themselves in order to finalize the orders.

## Terminology

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| **Name** | **Comments** |
| MEAN Stack | MongoDB, Express, Angular, and Node.js |
| VS Code | Development IDE |
| SoapUI | API testing tool |
| MongoDB Compass | Database development IDE |
| Angular Material | <https://material.angular.io/> |
| Flex-layout | <https://github.com/angular/flex-layout> |

## Related Documents

Images

* MB background, Password field, Spyware, Ram, Software, Computer repair, Keyboard, HD clean

Reviewers

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| --- | --- | --- |
| **Approvers** | **Name** | **Date** |
| **Approved By (**Client Acceptors, can be more than one) | *Bob* | *10/22/2019* |
| **Approved By** (Solution Architect) | *Professor Krasso* | *10/22/2019* |
| **Approved By (**Development Team) | Cory Gilliam | 2/17/20 |

## Required Skills

Angular, HTML, CSS, MongoDB, Git, Image editing

# SECTION 2: Architecture

## Physical Architecture

A picture containing indoor, wall, table

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## Logical Architecture



# SECTION 3: PROCESS DESIGN

## Object Relational Diagram(s)

A screenshot of a cell phone

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## NoSQL Data Structure

A close up of text on a black background

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## Wireframes

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# SECTION 4: REFERENCES