**PROJECT AUTOMATION PROPOSAL FOR CHALIQUE NAIL SALON**

**ITRW213**

**PROJECT 2017**

**ANALYSIS PARALYSIS**

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**Date: 27 February 2017**

**SCOPE**

# **PROBLEM STATEMENT**

*Chalique Nail Studio* is a business in dire need of a new information system. At present all documentation and sales are done by hand, bookings and transactions are noted in a diary. It is currently a micro business looking to expand. Ordering new stock is done manually when products are needed.

# **CONSTRAINTS**

* Time: Project conclusion within a year; Limited daily working time.
* Small budget: small business.
* Simplistic design for digitally divided individuals.
* Program must be designed in the C# or Java programming languages.

# **REQUIREMENTS**

* Operating system compatibility (windows version)
* System must be simple and not require training
* Booking system with advance and repeat booking capability
* Record sales for financial statements
* Generate financial statements on demand

**IDENTIFY GOALS**

|  |  |
| --- | --- |
| Phase 1 | Booking system |
|  | -Facility for advanced and repeat bookings |
|  |  |
| Phase 2 | Sales system (database required) |
|  | Extract financial statements on a (monthly, quarterly, yearly) basis |
|  |  |
| Phase 3 | Notifications and reminders after making a booking |
|  |  |

**PROBLEMS WITH THE CURRENT SYSTEM**

* Time consuming process
* Inaccurate and ineffective
* No backups
* No financial statements

**SCHEDULE**

|  |  |
| --- | --- |
| **Date start-end** | **Action** |
| 13/02/2017 | Start of project and group finalization |
| 27/02 -02/03/2017 | Project proposal |
| 27/03/2017 | Requirements document |
|  |  |
| 25/05 -29/05/2017 | Presentation of documentation |
|  |  |
| 20/07/2017 | Begin implementation |
| 25/10/2017 | Final implementation |

**BUDGET**

Estimated salary of a system analyst per year: R 360 000

Breakdown: R170 p/h for 8-hours p/d 260-days p/y (Monday to Friday, 8-hour workday)

Estimated salary for entry level system analyst per year: R 310 000

Breakdown: R150 p/h for 8-hours p/d 260-days p/y (Monday to Friday, 8-hour workday)

Work time required: 2-hours p/d 5-days p/w for 36 weeks

Maximum Estimate: R150 p/h pp x 360 hours x 4 analysts = R 216 000

Minimum estimate: R 100 000.

**OPPORTUNITIES TO IMPROVE**

* Allow for franchising of the system in future
* Option for SMS notifications
* Expansion and maintenance as required
* Android implimentation