ICT1 PROJECT DOCUMENTATION

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# **Project Description**

Shiny Cleaner is an online business site for cleaner that allows client to hire personal to clean their houses, offices, building or any areas which require to be clean. This website consists of three platforms, one for the administrator, one for clients and one of employee that has been selected from their experience and availability.

The admin panel is made up of a dashboard that allows them to login, check the task provided by the client to be completed in certain time, assign task to employees with information about location and job description.

The clients panel allows them to login, give details about task and location with contact details, amount willing to pay, time period.

Employee panel is for experienced cleaners that will get notification or email about the job description and location.

# **Justification**

The portal is web based which means it can be accessed from anywhere with that enable any client or employee to access with an internet connection. Website is design to set in a way that can viewed from various devices and handset. It is also compatible with all operating system and web browser.

The portal will be adopted to our admin (owner) change. Admin will have the right to track every details of job offered by clients and distribute it to the employee under them.

# **Individual Roles**

**Bishwas Gurung:** Login and logout pages

**Budhiman Mongar:** All configuration on GitHub, Slack

**Chhimi Sherpa:** Setting up the database

**Daman Nath Ghimire:** Admin, cleaners and client dashboard

# **Milestone**

1: We will cover user stories that includes login page as well as signup.

Tasks:

* Login and logout page
* Admin, Client and Employee Dashboards
* Setting Up database

2: Adding features required later

* Retrieving task from the client and sending it to employee
* Adding and retrieving data from Database
* Generating Summary after the task has been complete to the client

3: Allowing access permission and viewer restriction

* Permission and access to admin
* Database authentication
* Linking configuration to database

4: We will present our project to our client and provide with necessary details about the project.

# **Scope of Alpha Release**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Stories Log** | | | | | |
|  | **User Stories** | **Description** | **Priority** | **Time (in Days)** | **Status** |
|  | Login | As an admin, I need A login access for admin panel | 10 | 2 | In progress |
|  | Admin | As an admin, need admin panel so that I can add data and manage them | 10 | 3 | In progress |
|  | Admin | As an admin I need form so that can manage task details and provide to employee | 10 | 5 | In progress |
|  | Admin | As an Admin I need access to database so that I can access task description and contact address of client. | 20 | 4 | In progress |

# **Project scope of the full final-release**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Stories Log** | | | | | |
|  | **User Stories** | **Description** | **Priority** | **Time (in Days)** | **Status** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# **User Stories**

**Title:** Admin Login

**Description:**

**As a/an:** admin

**I need:** alogin screen

**So that:** I can access the admin panel.

**Priority:** 10 **Time estimate:** 2 days

**Title:** Add cleaners

**Description:**

**As a/an:** admin

**I need:** a form

**So that:** I can add new/existing cleaners and generate a username and random password for them.

**Priority:** 10 **Time estimate:** 2 days

**Title:** Login page

**Description:**

**As a/an:** cleaner

**I need:** alogin page

**So that:** I can log in to the system.

**Priority:** 10 **Time estimate:** 2 days

**Title:** Add clients

**Description:**

**As a/an:** admin

**I need:** a form

**So that:** so that I can create login details for the regular clients.

**Priority:** 40  **Time estimate:** 2 days

**Title:** Client login

**Description:**

**As a/an:** client

**I need:** a login form

**So that:** so that I can login to the system and post the job details.

**Priority:** 40  **Time estimate:** 2 days

**Title:** Manage Cleaners

**Description:**

**As a/an:** admin

**I need:** a system to manage cleaners

**So that:** I can assign cleaners to job according to their availability.

**Priority:** 10 **Time estimate:** 7 days

**Title:** Send notification

**Description:**

**As a/an:** admin

**I need:** a system to send email/text to cleaners

**So that:** I can notify the cleaners about the job details via email/text.

**Priority:** 10 **Time estimate:** 7 days

**Title:** Edit details

**Description:**

**As a/an:** cleaner

**I need:** a system to edit my details

**So that:** I can put my details and upload my picture and set my availability.

**Priority:** 20 **Time estimate:** 2 days

**Title:** Home screen

**Description:**

**As a/an:** client

**I need:** an attractive design with easy to navigate interface

**So that:** I can easily find the cleaning service information that I am looking for.

**Priority:** 30 **Time estimate:** 7 days

**Title:** Contact Information

**Description:**

**As a/an:** client

**I need:** to be able to see the contact information of the company

**So that:** I can directly call them or email them asking for their service.

**Priority:** 30 **Time estimate:** 7 days

User Story 2:

Title: Admin

Description: Cleaning

As a(n): Admin

I need: Form

**Title:** Invoice

**Description:**

**As a/an:** admin

**I need:** to generate invoice

**So that:** so that I can confirm the completion of the job by sending the official invoice to the client.

**Priority:** 20  **Time estimate:** 5 days

# **Project Development & Release Infrastructures**

## **Configuration Management & Version Control**

**GitHub**, GIT system will be used for source code management. Since it is a web platform which host code repositories also distribute version control, it has been most popular for developer working on a group project or individual tool due to its capabilities. It also provide user or developers with tools required for code practices. With Git popular version control System, we can view change-log history of all changes made by developers during developing the project.

**Tools & Technologies Used for Development Process**

Programming Language Used: **HTMl** (HTML) Hypertext Markup Language. This is common language used to create web pages and application with **CSS** (cascading style sheets) and JavaScript. We will also be using **PHP** with embedded or separate CSS which ever suit best for our website. We are also considering of using WordPress for our design and responsive layout.IDE Used: We most probably be using **Adobe Dreamweaver** or **NetBeans** for our project. But as we are also considering other options which saves our time as well as clients.

**HTML** : Hypertext Markup Language is basic or standard language used for developing web pages. It labels the content of webpages. It usually includes text and images also few structural content like spans, ordered and unordered list, division, script, etc.

**JavaScript** It is a high-level interpreted programming language which is lightweight, interpreted, object-oriented language best known as scripting language for Web Pages. It is widely used for controlling web page behavior. It runs on the client side of the web used to design/program how the webpages behave on the occurrence of an event.

**PHP**: It is a server-side scripting language which is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.It is a general-purpose scripting language that is especially suited to server-side web development, in which case **PHP** generally runs on a web server. Any **PHP** code in a requested file is executed by the **PHP** runtime, usually to create dynamic web page content or dynamic images **used** on websites or elsewhere.

**Abode Dreamweaver** : It is a software program for designing web pages, essentially a more fully featured HTML web and programming editor. The program provides a what-you-see-is-what-you-get interface for users to create and edit web pages in a more user-friendly environment. Dreamweaver supports many markup languages, including HTML, XML, CSS, and JavaScript. As for human languages, it supports English, Spanish, French, German, Japanese, Chinese (both Simplified and Traditional), Italian, Russian, and many more.

Dreamweaver is a simple and efficient platform for people who need to design multiple basic sites. It comes loaded with templates that give you plenty of different choices for site layouts.

**NETBEAN:** It is an open-source integrated development environment (IDE) for developing with Java, PHP, C++, and other programming languages. NetBeans is also referred to as a platform of modular components used for developing Java desktop applications. NetBeans is coded in Java and runs on most operating systems with a Java Virtual Machine (JVM), including Solaris, Mac OS, and Linux.   
  
NetBeans manages the following platform features and components:

* User settings
* Windows (placement, appearance, etc.)
* NetBeans Visual Library
* Storage
* Integrated development tools
* Framework wizard

NetBeans uses components, also known as modules, to enable software development. NetBeans dynamically installs modules and allows users to download updated features and digitally authenticated upgrades.   
  
NetBeans IDE modules include NetBeans Profiler, a Graphical User Interface (GUI) design tool, and NetBeans JavaScript Editor.  
  
NetBeans framework reusability simplifies Java Swing desktop application development, which provides platform extension capabilities to third-party developers.

**Server Used**: Firstly we will be using localhost to run our project as developers need to add some development and also test the website on their own workstation or in hosted server.

# **Testing:**

It will be performed on frequent basis both by testers and by the client in order to make a room for development or feature which needs to be added in near future.

It is not necessary to narrow down each individual code, only few testing like integration, end-to-end style. Testers will likely perform white and grey-box testing on the other hand client will most probably perform black-box testing. During testing all the testers will have the ability to discover some bugs which will be essential in further development phase. Also Client might request some more features in the development phase.