**Two Project Proposal Ideas**

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| **Project Title**: Beauty Salon Appointment Management System |
| **Project Background and Description:**  I propose to create a multi-platform appointment management web app for ‘True Angels Beauty Salon & Day Spa’. In the organization a large amount of time is spent attending telephones, relaying information to customers and booking time slots. The web app would enable customers to find scheduling information, pre-pay for and book services themselves. Staff may use the tool to maintain the schedule (replacing the current paper system). The app may also be able to provide some useful metrics with the data. |
| **Project Aim**:  To create a reliable, secure and user-friendly web-app that makes scheduling more convenient for customers and staff alike. |
| **Project Objectives**:   * Maintain regular and productive communication with the client. * Produce an end product of acceptable commercial standards. * Create software that is intuitive and responsive. * Improve on my professional skills. * Start a portfolio of work to demonstrate these skills. * Achieve high grades. |
| **Project Deliverables**:  Must - Create/Update/Delete Appointments from a schedule.  - Display schedule.  - Handel a moderate level of traffic.  - Store sensitive data securely.  Should - Handle online payments.  - Provide contact information, company literature, logo etc.  - Display positive customer testimonies and showcase awards.  Could - Provide location services.  - Contain a button to trigger a smart phone call to the contact line.  - Sell email/postal vouchers.  - Provide simple business metrics. |
| **Copyright/IPR/Commercial Sensitivity**:  I must adhere to the data protection act when handling any personal user data and maintain a commercial awareness. |
| **Hardware and Software Resources to be used within the project**:  Stack: MySql, Java, HTML, CSS, AngularJS  Software: Intellij, GitHub, Jenkins, Kanbanflow  Hardware: Android, iPhone, PC (for multi-platform testing)  Other Resources: Website hosting services |
| **Refferences:**  N/A |

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| **Project Title**: Multi-Email Manager Tool |
| **Project Background and Description:**  Email messaging is a widely spammed form of communication. These spam messages not only waste our time but can contain dangerous phishing and malware attacks. Considering that email technology currently connects over 2.5 billion people world-wide *(Radicati Group Inc., 2015)* this is a serious issue. I propose to create a client/server email service that would manage a collection of automatically generated, single use email addresses to give users more control over their contacts. This system would quickly be able to identify from which contact a piece of spam originated, flag the contact and isolate/prevent/remove all unwanted messages. This service would also prevent the use of email addresses for online profiling. |
| **Project Aim**:  To create a client/server email service that gives users more control over their point of contact. |
| **Project Objectives**:   * Give user control over their point of contact. * Setup a secure client/server email system. * Create an email generation tool. * Learn/Improve on my professional/technical skills. * Start a portfolio of work to demonstrate these skills. * Achieve high grades. |
| **Project Deliverables**:  Must - Generate a new email address for each new contact.  - Allow users to delete contacts (by deleting relative email addresses).  - Provide basic emailing sending/receiving services.  Should - Store contact details (linked to the corresponding email address).  - Combine all user email addresses into a single inbox.  - Allow users to flag spamming sites to other users.  Could - Auto fill newly generated email address into online forms.  - Provide more extensive email services.  - Be hosted on a cloud environment. |
| **Copyright/IPR/Commercial Sensitivity**:  There are no issues of this nature. |
| **Hardware and Software Resources to be used within the project**:  Stack: Lamp email server, PostgreSQL, Nginx, Java, HTML, CSS, JavaScript  Software: Intellij, GitHub, Jenkins, Kanbanflow, pgAdmin, VirtueBox  Hardware: Hosting server, PC for development and testing |
| **References:**   * Radicati Group, Inc. (2015). *Email Statistics Report, 2015-2019.* Available:http://www.radicati.com/wp/wp-content/uploads/2015/02/Email-Statistics-Report-2015-2019-Executive-Summary.pdf. Last accessed 29th Sep 2017. |