PROJECT NAME: INTEGRATED GYNAECOLOGY PATIENT INFORMATION MANAGEMENT SYSTEM.

Client: Prof. Leon C Snyman

GROUP NAME

Rendani Dau 13381467

Elana Kuun u12029522

Semaka Malapane 13081129

Antonia Michael 13014171

Isabel Nel 13070305

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1 The Team

1.1 Antonia Michael

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1.1.1 Interests

My interests include working with people, helping people, reading, tennis, greek dancing.

1.1.2 Technical Skills

My technical skills include: Java, C++, Html5, css, php, Bootstrap, Javascript, Semantic UI, Sql, php, python, WebGL, Latex, Github, shell script, AngularJS, NodeJS, Microsoft Office, Npm, HandleBars Server, Mongoose, Gemfury.

1.1.3 Past experiences relevant for project

Programming
I have done an internship at a small IT company called Lepsta (Pty)Ltd, where I worked mainly on the front end of their new systems. I was mainly responsible to implement the gui and front end functionality of their email client app called Ridicle, using AngularJS, Python, Semantic UI, and using Brackets as the platform. I also assisted in implementing a CMS Website for small enterprise, NCC Solutions. In addition, for COS 301 I was chosen to be part of the Infrastructure Integration team to integrate the code given to us from the functional teams. We used NodeJS, RoboMongo, Mongoose, Nodemailer, Npm, Gemfury and HandleBars server for our integration.

Business Analysis
I also worked as a business analyst at Lepsta (Pty)Ltd, where my duties included firstly, requirements management - gathering, defining, analyzing and documenting business and functional requirements and designing a solution based on these requirements. Secondly, communicating requirements to programmers and other stakeholders ensuring that everyone understands what is required for the project to be a success. I also had to develop the business processes to provide a graphical flow of data, indicating the relationship

between stakeholders and systems. I had to also design the test cases and implement the testing. Throughout the process I served as a communication channel, ensuring that all the teams knew exactly what was expected of them, and reported their progress and any concerns to me.

Project Management

At Lepsta (Pty)Ltd I also worked as a Project Manager. I developed a schedule for the project completion, allocating resources to the tasks. I also had to determine resources needed to complete the different phases of the project (i.e. time, money, technologies). I used a Gannt chart to allocate time frames for the different tasks in the project. I used a SCRUM board to keep track of the progress of the different tasks and to let the project needs see a visual representation of their tasks at hand. I had to keep regular communication with management to express the programmers' concerns and progress. It was also my job to develop team spirit and make sure that each member is contributing equally to the projects.

1.1.4   Non technical strengths

My non technical strengths include:

Leadership skills -
1.) Head of Communications in The School of IT faculty House
2.) Selected by the Department of Computer Science to be a Infrastructure Team Leader for the module COS 301 for the implementation of The Buzz System,
3.) Was a class Representative for the module, Imperative Programming.

Public speaking and presentation skills - Got chosen as the best overall paper and presentation from our presentation at the 2014 ACEIE Information Science Conference held at The University of Pretoria. Was then selected by UP to present research paper at the 2014 Information Ethics Conference held at The University of Zululand, competing with students from UJ, UP and other universities. We obrained 2nd place.

Social responsibility skills - Tutored for the Basic Computer Training course (6 sessions) for underprivileged female students eager to persue IT careers. Organised and ran a Computer Training course for members of the community at UP Mamelodi Campus with a group of 4 other students - 40 hours of community work for JCP community development module in second year

Debutantes Year at school (2010) – Hosted various events/ programmes to raise funds for the Phehela Day and Night Centre and assisted with other similar charities.
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Teaching skills - In addition, the computer literacy courses I have taught, I am currently a Tutor in the Computer Science Department at the University of Pretoria. Other skills: Communication skills, team work skills and people skills.

1.1.5   What makes you want to do the project

I would like to do the project because I have always found that most of my happiness lies in helping people and doing good for the community and this is where my passion lies. Hence, when I found out that a project exists where we get the opportunity not only to code an app as expected, but to get the privilege to code an app for a previously disadvantaged hospital that is does not use computers to simplify and maintain its procedures, I immediately wrote it down as my personal first choice. This is in fact the project I would like to do the most because apart from the abovementioned, it is extremely important to maintain very accurate files with each patients different medical conditions and treatments, because people's lives are depending on it. If chosen to do this project I will not take this lightly because I will know that I am not merely programming to better my skills but making a huge impact and one that is long over due.

1.2 Rendani Dau

1.2.1 Interests

1.2.2 Technical Skills

1.2.3 Past experiences relevant for project

1.2.4 None technical strengths

1.2.5 What makes you want to do the project

1.3 Elana Kuun

1.3.1 Interests

1.3.2 Technical Skills

1.3.3 Past experiences relevant for project

1.3.4 None technical strengths

1.3.5 What makes you want to do the project

1.4 Semaka Malapane

1.4.1 Interests

1.4.2 Technical Skills

1.4.3 Past experiences relevant for project

1.4.4 None technical strengths

1.4.5 What makes you want to do the project

1.5 Isabel Nel

1.5.1 Interests

During my past two years of studying Computer Science, I have developed a passion for software development. Finding creative solutions to problems in the form of software is something that definitely falls in my interests. I am also fond of the outdoors, helping others and baking.

1.5.2 Technical Skills

My thecnical skills include: C++, Java, CSS, PHP, JavaScript, XML, HTML, SQL, WebGL, Micrisoft Office and NodeJS.

1.5.3 Past experiences relevant for project

II have successfully completed my foundational programming modules and more specialized modules at the University of Pretoria, thus I am capable of producing adequate and usable software. I also participated in the mini-project of COS 301, which prepared us for projects such as the implementation of a integrated information management system. I also took Biology as an elective in my first year of studies and thus I understand the importance of documenting medical information.

1.5.4 None technical strengths

I believe I am a good team player, with that I mean that I am a supportive person when it comes to team work, I respect my other team members and

I am good in sharing my ideas and listening to other's ideas. I can take on a leadership position if need be, such as the position I was placed in for the mini-project of COS 301 as a middle level team lead.

1.5.5 What makes you want to do the project

I understand that medical information gathered from research is what can save lives in the future. With this knowledge and the age we are living in where technology is all around us, I do believe that it can make life easier for all medical personnel and it might even save lives to get easy access to desired information. This is why I am excited about this project to assist in the implementation of an integrated information management system for the Kalafong Provincial Tertiary Hospital.