



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

PROJECT TENDER

Project: Figbook

CLIENT: FIGTORY ANIMATION

Team: Creativate

Armand Pieterse *u12167844*

Kgomotso Sito *u12243273*

Jimmy Peleha *u12230830*

Sphelele Malo *u12247040*

Ndivhuwo Nthambeleni *u10001183*

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

Here's a link to GitHub.

<https://github.com/SpheMalo/COS-301-Main-Project.git>

May 4, 2015

Contents

1 The Team	3
1.1 Jimmy Peleha	4
1.1.1 Interests:	4
1.1.2 Technical Skills:	4
1.1.3 Relevant Past Experience:	5
1.1.4 Non-Technical Strengths:	5
1.1.5 Why I chose this project:	5
1.2 Sphelele Malo	6
1.2.1 Interests:	6
1.2.2 Technical Skills:	6
1.2.3 Relevant Past Experience:	6
1.2.4 Non-Technical Strengths:	6
1.2.5 Why I chose this project:	7
1.3 Armand Pieterse	8
1.3.1 Interests:	8
1.3.2 Technical Skills:	8
1.3.3 Relevant Past Experience:	8
1.3.4 Non-Technical Strengths:	9
1.3.5 Why I chose this project:	9
1.4 Kgomotso Sito	10
1.4.1 Interests:	10
1.4.2 Technical Skills:	10
1.4.3 Relevant Past Experience:	11
1.4.4 Non-Technical Strengths:	11
1.4.5 Why I chose this project:	11
1.5 Ndivhuwo Nthambeleni	12
1.5.1 Interests:	12
1.5.2 Technical Skills:	12
1.5.3 Relevant Past Experience:	12
1.5.4 Non-Technical Strengths:	13
1.5.5 Why I chose this project:	13
2 Project Execution	14

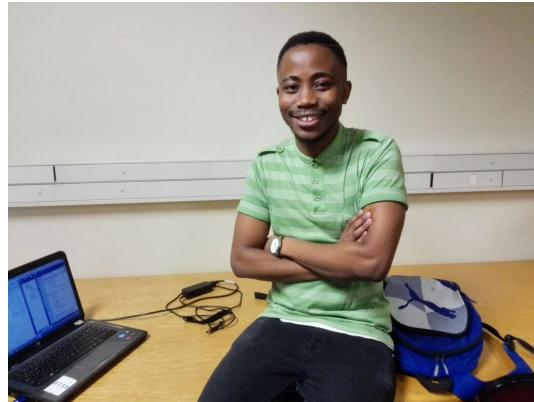
1 The Team



Introducing Creativate

Where Creativity meets Innovation

1.1 Jimmy Peleha



1.1.1 Interests:

- Chess
- Programming
- Travelling
- Gaming
- Socialising
- Programming Olympiads

1.1.2 Technical Skills:

- C++
- Java
- Python
- C#
- MySQL
- npm and Node.js
- PHP
- HTML, CSS
- XML
- Bootstrap
- Javascript
- Hardware Maintenance

1.1.3 Relevant Past Experience:

I am a two-time finalist in The Standard Bank IT Challenge. One of which my team placed third representing the University of Pretoria. This makes me confident that I can handle problems, especially in a team, whether I am under pressure or not. Synchronization and punctuality are key.

1.1.4 Non-Technical Strengths:

- Very approachable and charismatic
- Workplace experience
- Diligent
- Problem identification and solution finding
- Forward and straight to the point
- Honest

1.1.5 Why I chose this project:

I can appreciate good literature. There is a lot of undiscovered talent out there. Aiding in developing a system that makes it easier to publish such talent also gives way to focusing on the actual art of writing. It is genuinely a good cause.

1.2 Sphelele Malo



1.2.1 Interests:

- Sports
- Security, networking and mobile development
- Gaming
- Listening to and the creation of music
- Reading

1.2.2 Technical Skills:

- Programming (Web development, C/C++, Java)
- Computer and electronics
- Complex problem solving
- Experienced with emerging technologies

1.2.3 Relevant Past Experience:

Experienced HTML, XML, SQL and even mongoDB and other emerging technologies studied during my course in the university

1.2.4 Non-Technical Strengths:

- Teamwork
- Communication skills
- Cultural fit
- Responsibility and initiative

1.2.5 Why I chose this project:

I have an interest in web development and wish to grow my skills in this field. This project would allow me to learn more and enhance my skills as a web developer, as well as contribute to the world of open source contributions.

1.3 Armand Pieterse



1.3.1 Interests:

- Computer gaming.
- Programming/Software development
- Mixed Martial Arts
- Electronic Technology

1.3.2 Technical Skills:

- C++
- Java
- C#
- MySQL
- SQLServer
- MongoDB
- PHP
- HTML,CSS
- XML
- Javascript and JQuery
- Visual Basic

1.3.3 Relevant Past Experience:

I have experience in web development as well as in concurrent systems programming which would be necessary for successful completion for this project.

1.3.4 Non-Technical Strengths:

- Hard Worker.
- Friendly and easy to work with.
- Perseverance
- Work well in a team and alone.
- Self-motivated.
- Motivating others.

1.3.5 Why I chose this project:

The project is all about making something complex simple, in other words making things easier, and I enjoy making things easier and better for people, while at the same time I enjoy web development. This is why this project stood out to me from the rest. Also I can see that there is a need for something like Figbook and I would like to help.

1.4 Kgomotso Sito



1.4.1 Interests:

- Soccer
- Web programming
- Gaming
- Listening to music
- Reading

1.4.2 Technical Skills:

- Programming
- Monitoring
- Operations and systems analysis
- Mathematics
- Computer and electronics
- Complex problem solving
- Active listening
- Agile methodology
- Experienced with emerging technologies

1.4.3 Relevant Past Experience:

2013 Present: vacation work with Interfront, designing customs using agile development, and did ICT support.

Experienced HTML, XML, SQL and even mongoDB and other emerging technologies studied during my course in the university

1.4.4 Non-Technical Strengths:

- Curiosity
- Teamwork
- Communication skills
- Cultural fit
- Responsibility and initiative

1.4.5 Why I chose this project:

I enjoy both concurrency and web programming, combining the two, gives me an opportunity to make use of the skills I have learnt and at the same enjoy the experience. Which makes this an ideal project, not only for me but also the team. My team also shares this interest and/or view, of which is very important going forward (project development)

1.5 Ndivhuwo Nthambeleni



1.5.1 Interests:

- Playing Bass guitar.
- Mobile development
- Soccer
- Gaming

1.5.2 Technical Skills:

- Programming (C++, Java, C#, PHP (Object Oriented), HTML5, JQUERY, Python and MySQL) 1 to 4 years.
- Programming within the MVC, layered and Micro Kernel architectural patterns.
- Android Mobile Application Development 2 year
- Coding within the python Django and node.js frameworks.
- Tutoring up to 1 year
- Working with Linux
- MS Server
- Advanced computer skills.

1.5.3 Relevant Past Experience:

- I have worked with the programming languages mentioned above for 3 years and I am quite willing to learn new technologies that I do not have experience in.

1.5.4 Non-Technical Strengths:

- Great Communication skills (verbal and written)
- Can adapt to new working environments easily.
- Good at identifying patterns that lead to problem solving.

1.5.5 Why I chose this project:

I chose this project because I am looking forward to learning new technologies and enhancing my programming skills as well as applying the knowledge I have to solve problem space for this project.

2 Project Execution

A release will be delivered to the client on a frequent basis, and so the clients availability is very crucial during the development phase. This is done to keep us (the developers) and the client on the same wavelength, with regards to the scope and changes to requirements and this also encourages progress.

The team will work together most of the time, at times separately depending on the work load and how work is divided. The project is web-based and so HTML for obvious reasons will be used, together with the other technologies e.g. mongoDB, javascript, ajax, nodeunit and others depending on the development process.

We promise fully functional working system, a better system than the one initially requested. The client will be happy and welcoming to the system, as they were involved throughout the development process.