UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

PROJECT TENDER

PROJECT

PropertyInvestmentOptimizer

CLIENT(S)

ALEX TERLUNEN - ATERLUNEN@CSIR.CO.ZA
PIETER BOTHA PBOTHA2@CSIR.CO.ZA

TEAM: TeraBites

TEAM MEMBERS

Christiaan Nel
Dzilafho Mulugisi
Eltom Tom
Gershom Maluleke

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF
PRETORIA
May 1, 2016

Team Members

Name: Christiaan Nel

Email: u14029368@tuks.co.za

Phone: 0728359073

Field: BSc IT

Interests

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Technical skills

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Past experience which might be relevant for the project
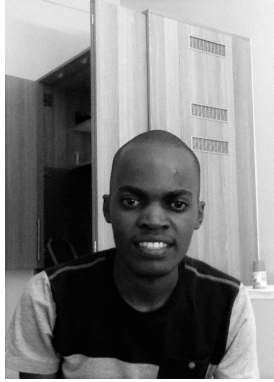
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Non-technical strengths

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What makes you want to do the project

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Name: Dzilafho Mulugisi

Email: u13071603@tuks.co.za

Phone: 0798056530

Field: BSc Computer Science

Interests

- Automotive Journalism
- Web Technology
- Building Computers
- Self learning
- Socializing

Technical skills

- Fixing Computers
- Java, C++, C, Intel Assembly and Web Programming
- Fault Detection
- Operating Systems
- Databases

Past experience which might be relevant for the project

- The UP Department of Computer Science recently prepared us for effective team work. I worked in a mini project were in we had to deal with various constrains in groups. The challenges included differences in level of knowledge, interest, personalities and different types of pressures including time amongst others. From this I learnt how to work when under pressure and stepping out of my comfort zone and work with people whom I did not know.

- I have attended numerous workshops by Studietrust in which we were exposed to challenges and had to work in groups to resolve the provided problems. In order to solve the problems we had to combine the best of each group member. I can now effectively work well in groups even when the personalities of the group members are opposites.
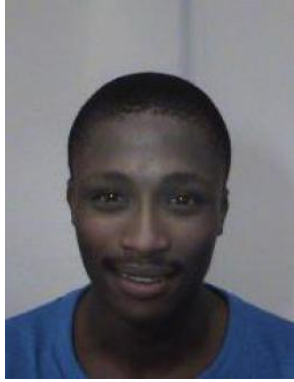
Non-technical strengths

- Team Work

- Quick learning

- Leadership and Planning

- Effective listening and discussion

- Future Visualization

What makes you want to do the project

- As a young adult I am soon to be exposed to the world of properties. I will have to find a place of my own soon when I begin working and have to be fully responsible for myself. In order to effectively spend and manage money I need to know about risks and returns of property investment.

- The project is very interesting because property investment is something I have no experience with but I am very interested in. The project arouses my curiosity and I find it intriguing to learn about it.

Name: Elton Tom

Email: u13325095@tuks.co.za

Phone: 074 902 1879

Field: BSc Computer Science

INTERESTS

- Solving problems

- Web programming

- App development

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TECHNICAL SKILLS

- C++ and Java skills

- Solving problems

- Front-end (HTML, CSS, JavaScript/JQuery) and back-end (PHP, MySql)
  development skills

Past experience which might be relevant for the project

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Non-technical strengths

- Working under pressure
- Working within a group
- Clear and concise communication
- Intellectual curiosity

What makes you want to do the project

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Name: Gershom Maluleke

Email: u13229908@tuks.co.za

Phone: 0728359073

Field: BSc Computer Science

INTERESTS

- Programming(Application, Game and Web development)
- Technology and Gamming
- Travelling, hiking, Soccer, volunteering, Boxing, Cricket

TECHNICAL SKILLS

- Languages: C, C++, Java, Python, Delphi, SQL, HTML, JavaScript, PHP, AJAX, JSON, CSS3 Test Driven Development (TDD), Teamwork
- Tools: JBuilder, Dreamweaver, Rational Rose, UltraEdit, BorlandC++Builder, Oracle SQL*Plus
- Operating systems: Windows, Linux, Mac OS X.

Past experience which might be relevant for the project

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Non-technical strengths

- Willingness to research

- Teamwork mentality

- Ability to handle failure

- Ablity to plan

- Problem solving skills

What makes you want to do the project

- I am eager to learn and stay up to date with new innovations and IT related products. I am a confidant, energetic young person, seeking an opportunity to expand my horizons. I dont mind putting in the extra effort and time, until the problem is solved, which also makes work under pressure well.I am able to adapt to different environments, and learn to use new technology, programs, and programming languages well. I prefer to start working earlier than leaving it for last minute; however I can work under pressure as well.I am a hardworking and dedicated student who loves a challenge and works well under pressure.

Project execution

Development methodology

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Keeping the client informed

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Initial Ideas

- Using Maven Builds for consistency and effective testing.

- Working together through version control systems (Git).

- Implementation of methods which deal with calculations in Java

- The use of visual imagery to graphically depict results where possible.

Technologies

- Java for Object Orientated Services

- HTML and CSS for the web front-end

- JavaScript

What the client will receive at the end of the project

- Source code

- Unit Testing

- User manual

- Architecture and design documentation

- Installation manual