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Project Tender

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Project: Name  
Client: Client

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Team: Valknut Solutions

- 13054903 - Charl Jansen van Vuuren
- 10297902 - Bernhard Schuld
- - Kevin Heritage
- - Quinton Weenink

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

DATE

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# 1 The team

## 1.1 Charl Jansen van Vuuren

Charl Jansen van Vuuren BSc Information Technology

### 1.1.1 My interests include:

- Computer Science
- Music - Open to new and different genres
- Skillful instrumental demonstrations
- New technologies (Raspberry Pi, Google Hololens, Bitcoin)
- Casual PC gaming
- Mobile and web development
- Network management and networks in general
- Action/Sci-fi movies and television shows

### 1.1.2 Technical Skills:

- High level languages(Java, C++, C)
- Web based languages(HTML, PHP, Javascript, Ajax, JQuery, CSS)
- LaTeX - Documentation language
- SQL (MySQL, PostgreSQL)
- Database management systems(Postgre, Microsoft SQL Server)
- Version control systems (Git)
- Unix proficiency(Linux, bash)
- Limited knowledge in Cyberlaw, Commercial law and Criminology

### 1.1.3 Past experience:

I am a teaching assistant for Informatics 214 (Database systems), which is mainly SQL based. I am comfortable to work on database systems and queries as I mark practicals each week based on SQL. The majority of our BSc I.T modules includes the proficiency with regards to the aforementioned Technical skills.

### 1.1.4 Non-technical strengths

- I am amateurishly proficient in Guitar
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### 1.1.5 What makes you want to do the project

EPI-USE one:

I find the concept of Bitcoin and the implementation of Blockchain fascinating. The possibilities with regards to this concept is endless and I look forward to learning more about the implementation of software based on Blockchain.

Insurance blah blah:

Social media has seen a huge growth in the last 5 years and developing a system based on this form of media is fascinating and can lead to some interesting application.

Crop:

Agriculture contributes significantly to our daily lives and the ability to predict scenarios that might allow us to foresee damages will in the end result in a sustainable future. I believe the development of these stress-testing algorithms can combat unforeseen damages.

## 1.2 Bernhard Schuld

Bernhard Schuld

BSc Information Technology

### 1.2.1 My interests include:

- Programming - High level languages
- Web development
- Jiu-Jitsu
- Music - Mostly Heavy Metal, but a lot of different genres appeal to me
- Drumming - Jazz and hard rock drumming
- Technology
- Computer Gaming

### 1.2.2 Technical Skills:

- High level languages (Java)
- Web development languages (PHP, Javascript, Angular JS, Ajax, jQuery)
- SQL
- Git

### 1.2.3 Past experience:

I recently started working at Consulta Research as an intern in their IT department. So far I have worked exclusively on web solutions for them.

### 1.2.4 Non-technical strengths

- Hard working
- Fairly proficient drummer
- Extremely vast random general knowledge facts

1.2.5 What makes you want to do the project

1.3 Team member name

1.4 Team member name

## 2 Project Execution

2.1 Project

2.2 Project

2.3 Project