

# PRODUCT BACKLOG

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**Software Design COMS3009  
FindMeTutor Android Application**

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Bellow is a table illustrating the requirements of the FindMeTutor android application with a number indicating which sprint we plan on completing the requirement in. All requirements which have a sprint number of 1 has been completed in the first sprint

## 1 REQUIREMENTS: PRODUCT BACKLOG

Requirement	Functional Requirement	Sprint
RQ1.1	The system shall allow a student to register	1
RQ1.2	The system shall allow a student to update their account eg update password	3
RQ1.3	The system shall allow a student to view their account details	1
RQ1.4	The system shall allow a student to mark their account as deleted	3
RQ2.1	The system shall allow a tutor to register	1
RQ2.2	The system shall allow a tutor to update their account eg password update	3
RQ2.3	The system shall allow a tutor to view their account details	3
RQ2.4	The system shall allow a tutor to mark their account as deleted	3
RQ3.1	The system shall allow a administrator to update a stu- dent account	3
RQ3.2	The system shall allow a administrator to view a student account details	1
RQ3.3	The system shall allow a administrator to mark a stu- dent as deleted	3
RQ3.4	The system shall allow a administrator to update a tutor account eg update password	3
RQ3.5	The system shall allow a administrator to view a tutor account details	1
RQ3.6	The system shall allow a administrator to mark a tutor account as deleted	3
RQ4.1	The system shall allow an administrator to register	3

RQ4.2	The system shall allow an administrator to update their account	3
RQ4.3	The system shall allow an administrator to view their account details	3
RQ4.4	The system shall allow an administrator to mark their account as deleted	3
RQ5.1	The system shall allow a student to request a tutor	2
RQ5.2	The system shall allow a student to choose a tutor from a list	2
RQ6.1	The system shall allow a tutor to accept a request	2
RQ6.2	The system shall allow a tutor to reject a request	2
RQ7.1	The system shall allow a student to add events to their personal 'Upcoming events'	3
RQ7.2	The system shall allow a student to view their upcoming events	3
RQ7.3	The system shall allow a student to update their upcoming events	3
RQ7.4	The system shall allow a student to delete their upcoming events	3
RQ8.1	The system shall allow a tutor to add events to their personal 'Upcoming events'	3
RQ8.2	The system shall allow a tutor to view their upcoming events	3
RQ8.3	The system shall allow a tutor to update their upcoming events	3
RQ8.4	The system shall allow a tutor to delete their upcoming events	3
RQ9.1	The system shall allow a student to rate a tutor	3
RQ10.1	The system shall allow a student to check-in	3
RQ10.2	The system shall allow a student to check-out	3
RQ11.1	The system shall allow a tutor to check-in	3
RQ11.2	The system shall allow a tutor to check-out	3
RQ12.1	The system shall allow a student to add funds	3
RQ12.2	The system shall allow a student to view funds	3
RQ12.3	The system shall allow a student to update funds	3
RQ13.1	The system shall allow a tutor to add funds	3

RQ13.2	The system shall allow a tutor to view funds	3
RQ13.3	The system shall allow a tutor to update funds	3
RQ14.1	The system shall allow a student to add subjects	2
RQ15.1	The system shall allow a student to remove subjects	2
RQ16.1	The system shall allow a student to login	1
RQ16.2	The system shall allow a tutor to login	1
RQ16.3	The system shall allow an administrator to login	3
RQ17.1	The system shall allow a student to view their upcoming sessions	2
RQ17.2	The system shall allow a tutor to view their upcoming sessions	2
RQ18.1	The System shall allow a student to use the help function to gain insight into how to use the application	UC-H
RQ18.2	The System shall allow a tutor to use the help function to gain insight into how to use the application	UC-H

## 2 OVERVIEW OF WORKLOG

### 2.0.1 Requirements, Priority weights and duration to completion

Item	Requirements to implement	Priority weight	Est. duration
0	Proposal	5	4 days
1	Student registration and login	5	1 week
2	Tutor registration and login	5	1 week
3	Administrator registration	5	2 days
4	Administrator capabilities	5	2 days
5	Students able to request a tutor	5	3 days
6	Tutor able to accept/reject tutor request	5	3 days
7	Student able to handle 'Upcoming events'	3	3 days
8	Tutor able to handle 'Upcoming events'	3	3 days
9	Student able to rate a tutor	2	1 day
10	Student able to check-in/check-out of tutor sessions	5	1 week
11	Alert administrator if need for safety warning	4	1 week

12	Payments	3	1 week
13	Cancel session	2	1 day

## 3 SPRINT 1

### 3.0.1 Scrum meeting 0

**Date: 2016-07-21**

**Main topic of discussion:**Project Ideas

**Points to be addressed and notes:**

Group pitched ideas for the project. Brainstormed some practical implementation for the Software Design project. **Follow up:** Idea decided upon: Create an Android Application to help students find appropriate tutors, and allow tutors to find students to tutor within the University of Witwatersrand.

### 3.0.2 Summary of the week's meetings and contributions

**Points addressed:**

- Topic decided
- Worked on proposal
- Elect scrum master

**Achievements by various contributors:**

- Draw up a proposal document (Krupa)

### 3.0.3 Scrum meeting 1

**Date:2016-07-28**

**Main topic of discussion:**

Finalising an overview of the application

**Points to be addressed and notes:**

Discussed how application will be utilised and work-flow of FndMeTutor and documentation for Sprint 1.

**Sprint 1 targets:**

- Submit a proposal for our project.
- Sketch UI
- Sketch corresponding database
- Set-up Git Account
- Find suitable Web service for database
- Implement database
- Implement Login and Registration
- Design logo
- Documentation: Requirements Analysis Document

#### **3.0.4 Summary of the week's meetings and contributions**

##### **Points addressed:**

Details of App. Discuss documentation for Sprint 1. **Achievements by various contributors:**

- Submitted a proposal for our project.
- Sketch UI (Team)
- Sketch corresponding database (Team)
- Set-up Git Account (Shaneel)
- Find suitable Web service for database (Jared)
- Implement database (Jared)
- Implement Login and Registration (Jadon)
- Design logo (Jadon)
- Documentation: Requirements Analysis Document (Shaneel and Krupa)

### **3.0.5 Scrum meeting 2**

**Date:2016-08-04**

**Main topic of discussion:**

Implementation for Sprint 1. Review what targets for Sprint 1.

**Points to be addressed and notes:**

Discussed our progress and targets/achievements for sprint 1.

**Sprint 1 targets still to complete:**

- Changes to login and registration
- Documentation: Requirements Analysis Document

### **3.0.6 Summary of the week's meetings and contributions**

**Points addressed:**

Get ready for Sprint 1 review meeting. **Achievements by various contributors:**

- Changes to login and registration (Jadon and Jared)
- Documentation: Requirements Analysis Document (Shaneel and Krupa)
- Minutes of meeting and agenda for review meeting 1 (Krupa)

### **3.0.7 Sprint Review 1**

**Date:2016-08-12**

**Points to be addressed and notes as suggested by Dr van Zyl during meeting:**

- Documentation: Requirements Analysis Document - amendments to be made for requirements
- Documentation: Software Architecture Document - to do
- Application: change login, such that username (two details) not required (simplify login)



## 4 SPRINT 2

### 4.0.1 Scrum meeting 1

**Date:2016-08-18**

**Main topic of discussion:**

What needs to be done for Sprint 2

**Points to be addressed and notes:**

Discussed what we would like to achieve in sprint 2, and reviewed comments from Sprint 1 review meeting.

- SAD
- Scrum meeting doc
- Documentation: Requirements Analysis Document

**Sprint 2 Targets:**

- Item 1 edit
- Item 5 :student request tutor
- Item 6 :tutor accept/reject request
- Item 7 :student handling of upcoming events
- Item 8 :tutor handling of upcoming events
- Item 12:payment

### 4.0.2 Scrum meeting 2

**Date:2016-08-29**

**Main topic of discussion:**

Project plan

**Points to be addressed and notes:**

Discussed project brief.

Reviewed project backlog.

Decided on the user interface design relating to request tutor and events page.

**Workload distribution**

- Request functionality (Jadon and Nivek)
- Software architectural document (Shaneel and Jared)
- Requirements Analysis document (Shaneel and Krupa)
- PHP and server related (Jared, Nivek and Jadon)

#### **4.0.3 Scrum meeting 3 and group project meeting**

**Date:2016-09-02**

**Main topic of discussion:**

Improved database design and structure (ERD)

Finalised flow of activities for Request tutor.

Worked on SAD and RAD

## **5 Sprint 3**

#### **5.0.1 Scrum meeting reviewing sprint 2**

**Date:2016-09-13**

**Main topic of discussion:**

Continuous integration improvement

Testing

SAD and RAD need attention : models

Lower level of unit testing

#### **5.0.2 Scrum meeting Planning**

**Date:2016-09-14**

**Main topic of discussion:**

Work distribution:

- Documents : usecases (Shaneel), SAD (Shaneel and Jared), RAD (Krupa)
- GIT : All need to add milestones and issues, also record achievements
- Acceptance unit tests (Nivek and Jadon)
- App: Where are we going? are requirements realising and what are the imperative features?

### **5.0.3 Scrum meeting group dynamics**

**Date:2016-09-16**

**Main topic of discussion:**

Group dynamics:

Change needed, too many clashes, time constraints and merge conflicts!

Jadon and Nivek have a similar timetable: work together on code

Shannel, Krupa and Jared: Work on documentation

### **5.0.4 Scrum meeting during Wits protests**

**Date:2016-09-20 to 2016-10-10**

**Main topics addressed:**

- Payment structure
- Check-in and check-out implementation
- Updating profiles
- Research on acceptance units that we need to implement (Shaneel and Nivek)
- Discussed "About" feature
- Worked on SAD and RAD

## **5.1 Achievements and tasks completed:**

- RAD
- SAD
- Database - student tutor tables
- Functions - request tutor, add subject, add events and student payment
- corresponding worklog attended to.

### **5.1.1 Challenges**

- Server crash
- Two packages one interface

## **6 Sprint 4**

### **6.0.1 Scrum meeting review**

**Date:2016-10-17**

**Main topic of discussion:**

Review Sprint 3 meeting

- How many tutors recieved request
- Notification if all declined
- Decline needs to give a reason (If issue is time/day and we have no other tutuors we can make some change to get a tutot)
- Remove expired requests
- Diagrams to look at in SAD
- Show accept and reject
- State: add expired
- Complete acceptance tests in RAD

### **6.0.2 Scrum meeting planner**

**Date:2016-10-20**

**Main topic of discussion:**

Plan Sprint 4

- App: tutor request - cancellation, payment, GPs (Jadon and Nivek)
- UPdate SAD (Shaneel and Jared)
- Complete log sheets (Krupa)
- Complete acceptance tests in RAD (Krupa)

### **6.0.3 Scrum meetings interim**

**Date:2016-10-21to27**

**Main topic of discussion:**

- Fixed case sensitivity
- Gps
- Dynamic model
- OA model
- SSD
- What is the architecture type
- Tackling of the administrator
- acceptance testing (Krupa to follow up with Jadon and Nivek)

### **6.0.4 Scrum meetings Final planning**

**Date:2016-10-28**

**Main topic of discussion:**

Finl presentation

- Ammendments
- Verify all documents
- touch ups