

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