PRODUCT BACKLOG AND SCRUM MEETINGS

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Software Design COMS3009
FindMeTutor Android Application

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Contents

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 student 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 student 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

2 OVERVIEW OF WORKLOG

2.0.1 Requirements, Prioroty 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

2.1 User stories and tasks

Id	User story	Tasks and Notes	Size (pts 0-5)	Sprint
ST-1	As a student, I want to be able to register on the FindMeTutor application so that I can log in to the application	• First set-up database - Amazon • pHp script • GitHub repository	5	1
ST-2	As a student, I want to log in to my account on the FindMeTutor application so that I have access to the facilities on the application.		3	1
ST-3	As a tutor, I want to be able to register on the FindMeTutor application so that I can log in to the application		3	1
ST-4	As a tutor, I want to log in to my account on the FindMeTutor application so that I have access to the facilities on the application.		3	1
ST-6	As an administrator, I want to be able to register on the FindMeTutor application so that I can log in to the application		3	4
ST-7	As an administrator, I want to log in to my account on the FindMeTutor application so that I have access to the facilities on the application		3	1

ST-8	As a student I want to be able to request a tutor so that I can request assistance.	- push notification - Automatically add to events - send email	5	2
ST-9	As a student I want to add an event to my 'Upcoming events' so I can note scheduled tutorial sessions.		3	2
ST-10	As a student I want to amend an event on my 'Upcoming events' so that my scheduled tutorial sessions are true reflections.		2	2
ST-11	As a student, I want to delete an event on my 'Upcoming events' so that my scheduled tutorial sessions are true reflections.		2	2
ST-12	As a student, I want to view an event on my 'Upcoming events' to stay informed of scheduled tutorials I have requested.		4	2
ST-13	As a tutor I want to accept a tutor request so that I can inform the student that I am willing to conduct a tutorial session.	- push notification - Automatically add to events - send email	5	2

ST-14	As a tutor I want to reject a tutor request so that I can inform the student that I wont be able to assist.	• push notification • send email	5	2
ST-14	As a tutor, I can add an event to my 'Upcoming events' so I can note scheduled tutorial sessions.		3	2
ST-15	As a tutor, I can amend an event on my 'Upcoming events' so I can note scheduled tutorial sessions.		2	2
ST-16	As a tutor, I can delete an event on my 'Upcoming events' so I can note scheduled tutorial sessions which are of true reflection.		2	2
ST-17	As a tutor, I can view an event on my 'Upcoming events' so I can note scheduled tutorial sessions.		4	2
ST-18	As a student I want to select a tutor from the pool of tutors who have accepted the tutorial request, so that I can choose a tutor which I feel is most suitable (according to the rating obtained and their qualifications)		5	3
ST-19	As a student I want to make contact with a confirmed tutor so that I can make tutorial arrangements (venue confirmation)		5	3
ST-20	As a tutor I want to make contact with a confirmed student so that we can make tutorial arrangements (venue confirmation)		5	3

ST-21	As a student I want to check-in to a tutorial session so that my location is known to the administrator as a measure of safety.		5	3
ST-22	As a student I want to check-out to a tutorial session so that my leaving of the tutorial location is known to the administrator as a measure of safety.		5	3
ST-23	As a tutor I want to check-in to a tutorial session so that my location is known to the administrator as a measure of safety		5	3
ST-24	As a tutor I want to check-out to a tutorial session so that my leaving of the tutorial location is known to the administrator as a measure of safety		5	3

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 and 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 propsal 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 ustilised and work-flow of FndMeTutor
and documentation for Sprint 1.
Sprint 1 targets:

- Submit a proposal for our project.

- Sketch UI

- Sketch corresposding 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 corresposding 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:
Implemenation for Sprint 1. Review what targets fo Sprint 1.
Points to be addressed and notes:
Discussed our progress and tragets/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 - ammendments 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 di1cussion:
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

4.1 Achievements and tasks completed:

- RAD

- SAD

- Database - student tutor tables

- Functions - request tutor, add subject, add events and student payment

4.1.1 Challenges

- Server crash

- Two packages one interface

5   SPRINT 3

5.0.1   Scrum meeting 1

Date:2016-09-12
Main topic of discussion:
What needs to be done for Sprint 3 and review of sprint 2 meeting
Points to be addressed and notes:
Discussed what we would like to achieve in sprint 3, and reviewed
comments from Sprint 2 review meeting.

- SAD

- Scrum meeting doc

- Documentation: Requirements Analysis Document

- Use GitHub better: milestones and issues

- RAD: use cases, do all in one - not individual

- Acceptance unit tests

Sprint 3 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

- Backlog items set

5.0.2 Scrum meeting review for the week

Date:2016-09-16
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)

- Check-in/out (Jadon and Nivek)

- Payment functionality (Jadon and Nivek)

5.0.3 Scrum meeting 2 and week summary

Date:2016-09-19 to 2016-09-30 (WITS PROTEST)
Main topic of discussion:
Finalise models for documentation
Worked on SAD and RAD

5.0.4 Scrum meeting 3 and group meeting

Date:2016-10-04
Main topic of discussion:
Finalise models for documentation
Worked on SAD and RAD
Rate tutor
Archive account
Discussed flow of the applications
Use cases edit
Fixed bugs

5.0.5   Scrum meeting 4

Date:2016-10-10
Main topic of discussion:
Get ready for Sprint 3 review
Challenges: Acceptance unit testing and level of diagrams
Debugging