**University Assistant using Flutter**  
**(TEAM D)**

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# **Iteration/Sprint Documentation**

**THEME AND WISHLIST**

The theme of the application will be to let the users keeps up to their assignment and events. The background pictures will be navigation themed maybe pictures with compasses. They will be able to look at upcoming events or deadlines that are coming. So the calendar is one of the major component.

The other major component is the use of Google Assistant. The voice functions of the Google Assistant will be used to search certain things. The other thing that must be included in the app the list of upcoming events or major news at the front homepage of the application. The last major aspect is the ability to modify the users timetable and make changes to the dates on the calendar.

**INCOMING PRODUCT BACKLOG**

|  |  |
| --- | --- |
| Requirements | Priority |
| SD1: As a user, I want a list of contact details of teachers, it services, | low |
| SD2: As a user, I want to see my class schedule | critical |
| SD3: As a user, I want the app to notify me about the coming deadlines. | high |
| SD4: As a user, I want to see the upcoming events | Critical |
| SD5: As a user, I want to see a calendar | critical |
| SD6:As a user, I want to update my personal details | high |
| SD7: As a user, I want to change my login details(password and user name) | critical |
| SD8: As a user, I want to access shortcut to voice commands | high |
| SD8: As a user, I want to view real-time information on the my public transportation. | medium. |

# **SPRING BACKLOG**

|  |  |  |
| --- | --- | --- |
| Requirements | Conditions of satisfaction | Tasks and Estimates |
| SD1: As a user, I want a list of contact details of teachers, it services, | A page with all the contact details of teacher’s email address. | T1 Make sure the local database is synced with the application  T2 Conduct tests to make sure it is working. |
| SD2: As a user, I want to see my class schedule | A timetable page that shows the user their timetable on weekly basis | T1 Add a timetable page that the students can change according to their preferred time table. |
| SD3: As a user, I want the app to notify me about the coming deadlines. | Send notifications a week before the deadline. | T1 In the calendar widget show coloured themed dates to notify the user about the deadlines.  T2 Send notification to the users phone if the deadline is a few days away. |
| SD4: As a user, I want to see the upcoming events | Able to see new events and news in the home screen which keeps updating continuously. | T1 Make sure the calendar shows what events it is once the user clicks it or hovers over it. |
| SD5: As a user, I want to see a calendar | A colour highlighted calendar which shows coming events, exam timetable, deadlines and public holidays. | T1 Make sure to add an attractive looking calendar widget that is clear and colour themed. Make sure it shows all the coming deadlines and holidays. |
| SD6:As a user, I want to update my personal details | Option to go to a separate page to update my details. | T1 Make sure the database is updated as soon as the user updates it.  T2 Test it so that there is no errors. |
| SD7: As a user, I want to change my login details(password and user name) | An option within (my details) to change password and user name along with recovery email address. | T1 Make sure to go through various security check to make sure it is the actual user.  T2 Update it as soon as the user updates it. |
| SD8: As a user, I want to access shortcut to voice commands | Long touch option on the screen to enable voice command | T1 Make sure the Google Assistant is synced with the app.  T2 The voice button should be at the top of the app at all times. |
| SD8: As a user, I want to view real-time information on the my public transportation. | A page that shows public transport information from local transportation app. | T1 Make sure the app is synced with the public transportation website. |

# **REVIEW MEETING**

Sprint 1 - Show the client the application layout get feedback.

Date and time: 03/05/201, 1:00 pm – 2:00pm

Venue: 17 Hardware Lane

Attendees: Prabal, Bijay, Bijaya, Calvin Chow(CLIENT)

Agenda item 1: Application layout feedback:

The background picture which are compass themed are very nice and the text and box colour combination is matching as well.

Maybe add a few more pictures at the background of the events carousel at the home page to make it more attractive.

Agenda item 2: Discussion about the calendar widget.

The widget needs to have different colour themes for different events.

For example : red for assignment deadlines, blue for events, yellow for public holidays.

The buttons are too plain. Use more attractive buttons

Agenda item 3 : The time table page.

The timetable page needs to be more detailed and the lecturer and the tutors email address should also be added.

Add more colourful headings and a some other colour for background instead of plain white.

# RETROSPECTIVE MEETING

Date and time: 04/05/201, 4:00 pm – 4:30pm

Venue: Level 3 MIT

Attendees: Prabal, Bijay, Bijaya

Item 1: What went well?

* The client was happy with the initial layout.
* He loved the compass themed background pictures.
* The documents and the layout were made on time.

Item 2: What could be improved?

* Interact with the client more during presentation.
* Get the presentation ready on the computer before meeting the client.
* Work on the small details about the calendar.

Item 3: What can we do?

* We can try different background pictures and colour combination in the timetable page.
* Work on applying the colour themes on the calendar.
* Try to change to change the buttons on the calendar and carousel to make it more attractive.

Item 4: What is not in our control?

* Not sure how the local database will be synced and how the data will be stored.
* How the calendar will be synced with the students timetable.
* Effectiveness of the Google Voice assistant in apple devices and older model of phones that doesn’t support voice functions.

**OUTGOING PRODUCT BACKLOG**

|  |  |
| --- | --- |
| Requirements | Priority |
| SD2: As a user, I want to see my class schedule | critical |
| SD3: As a user, I want the app to notify me about the coming deadlines. | high |
| SD4: As a user, I want to see the upcoming events | critical |
| SD5: As a user, I want to see a calendar | critical |
| SD6:As a user, I want to update my personal details | high |
| SD7: As a user, I want to change my login details(password and user name) | critical |
| SD8: As a user, I want to access shortcut to voice commands | high |

# CONTRIBUTION STATEMENT

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| --- | --- |
| NAME | CONTRIBUTON |
| PRABAL | * Designing app layout * Setting meeting with the client |
| BIJAYA | * Documentation * Taking notes during feedback |
| BIJAY | * Equipment for presentation * Researching photos |