

Calendar Application



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Presentation Overview

- project overview
- system functions
 - architecture
 - implementation
- project management

Project Overview

- android mobile app
- purpose: organization through calendar
- creating events with a completion deadline
 - different layouts
 - adding friends

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System Functions

- create user
- login
- create event
- change view
- add friends

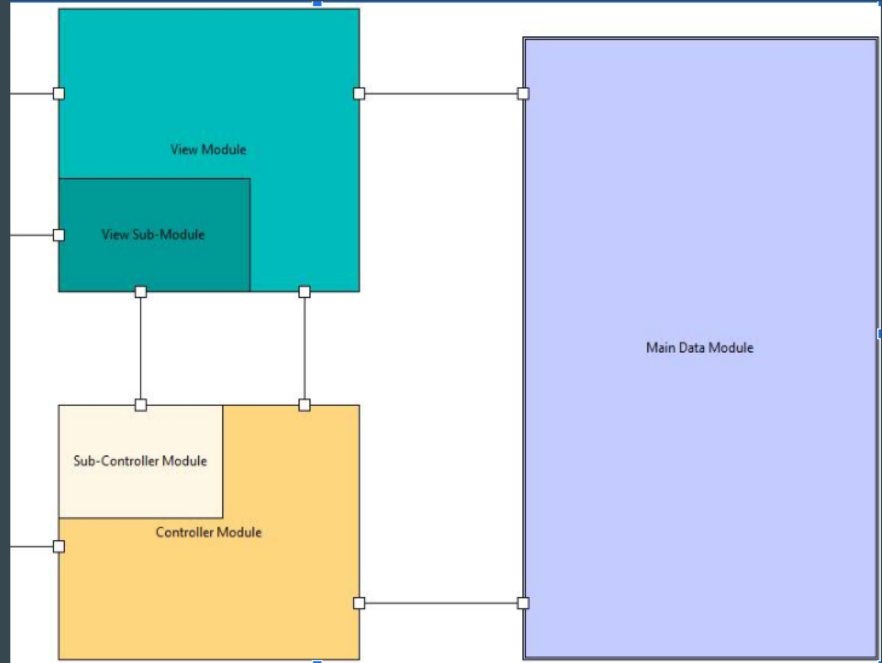
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Architecture: Model-View-Controller

The “**Controller**” module sets up the view module to display all the information to the user.

The “**Model**” module is the server database and it holds all the user events.

The “**View**” displays information to the user.



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Implementation: Consistency

consistency

- MVC modules

inconsistency

- combined subcontroller into the controller module

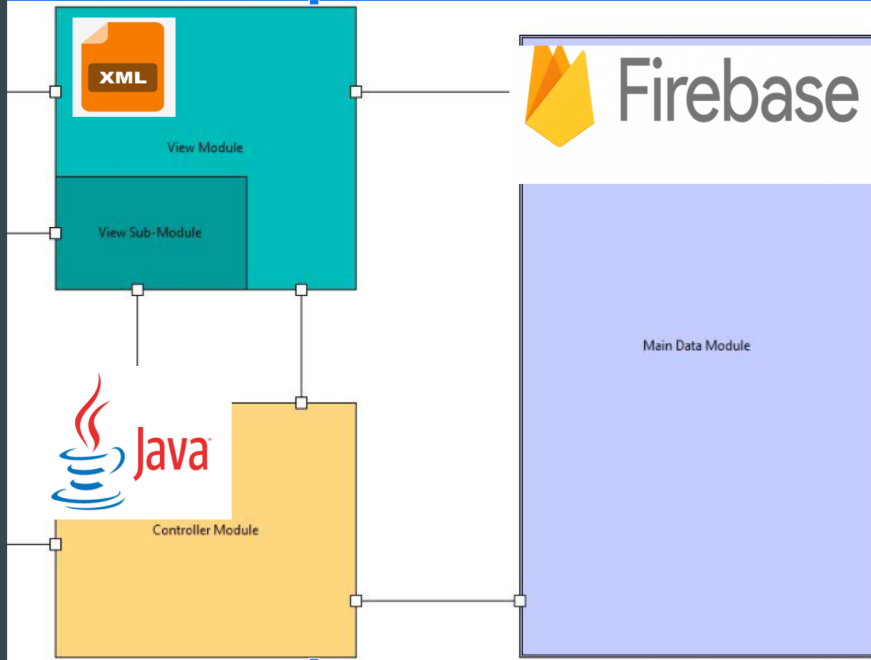
consistency

- Adding events with a date deadline

inconsistency

- Share events among different and multiple users

Implementation: Implementation Technologies & Tasks



- **Android Studio** Integrated Development Environment
- The view implemented with **XML**
- **Java** updates the view with the Models
- Models stored in **Firestore**

Implementation: System Availability

link to source code

<https://github.com/bustr003/CalendarApplication.git>

- Android Pie (9.0)

link to video demo

<https://github.com/bustr003/CalendarApplication/blob/master/FinalDemo.mov>

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Project Management: Problems & Resolutions

problem:

Android Studios Project contains too many files to upload to GitHub

resolution:

- zip the files before uploading
- use GitHub desktop to push the unzipped files all at once

problem:

null pointer when trying to read event id

resolution:

make the code wait after the activity is executed

Project Management: Team member roles

Member	Roles
Kyle A.	database & coding
Mhea B.	documentation & coding
Jasper C.	research & coding
Favian Q.	architecture & coding

References

[1] "Project Proposal"

Author: Mhealyssah Bustria

<https://github.com/bustr003/CalendarApplication/blob/master/Project%20Proposal.pdf>

[2] "Application C Requirements Documents"

Authors: Kyle Allen, Favian Quach

<https://github.com/bustr003/CalendarApplication/blob/master/Requirements%20Doc.pdf>

[3] "Architectural Document"

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[https://github.com/bustr003/CalendarApplication/blob/master/Assignment%203%20Architecture%20\(1\).pdf](https://github.com/bustr003/CalendarApplication/blob/master/Assignment%203%20Architecture%20(1).pdf)

Conclusion

Thanks for your time!