Design

User Tasks

a) Add Classes

User adds a new class to their timetable.

- 1) Select 'Add New Class'.
- 2) Add information Name, Teacher, Description.
- 3) Chose day.
- 4) Chose time.
- 5) Click 'done'.
- b) Add assignment

User adds new assignment

- 1) Select 'Add New Homework'.
- 2) Add Information Name, Description,
- 3) Select due time.
- 4) Select due date.
- 5) Click 'done'.
- c) Delete Class

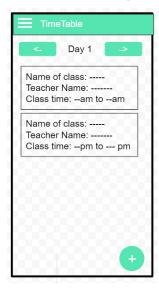
User deletes class.

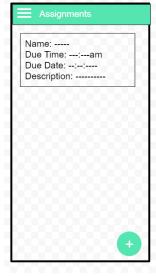
- 1) Enter 'Timetable' or 'Classes' tab
- 2) Press the Class they wish to delete
- d) Delete Assignment

User deletes assignment

- 1) Enter 'Assignments' tab
- 2) Press the Class they wish to delete
- e) Change day shown on timetable
 - 1) Enter 'Timetable' tab
 - 2) Press one of the arrows to go forward or backwords a day.
 - 3) New day shown on timetable with classes for that day.

Interface design



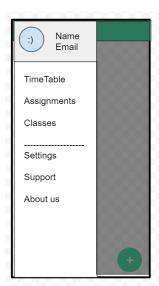


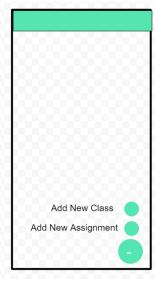


Timetable tab

Assignment's tab

Classes tab

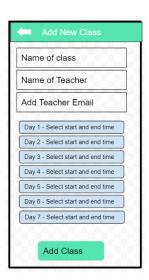






Sidebar – Opened when 3 bars are pressed

Add Class/Assignment buttons show when + button is pressed Add Assignment menu opened when Add New Assignment button is pressed



Add Class menu opened when Add New Class button is pressed

Classes

DBAssignmentTable

-ASSIGNMENT_TABLE: String = "ASSIGNMENT_TABLE"
-COLUMN_ID: String = "ID"
-COLUMN_ASSIGNMENT_NAME: String = "ASSIGNMENT_NAME"
-COLUMN_ASSIGNMENT_DESCRIPTION: String = "ASSIGNMENT_DESCRIPTION"
-COLUMN_ASSIGNMENT_DATE: String = "ASSIGNMENT_DATE"
-COLUMN_ASSIGNMENT_TIME: String = "ASSIGNMENT_TIME"

+DBAssignmentTable(Context) +onCreate(SQLiteDatabase)
+onUpgrade(SQLiteDatabase, int, int) +addUserAssignment(UserAssignment): boolean +deleteUserAssignment(Integer): boolean +getAllAssignments(): List<UserAssignment>



0..*

UserAssignment

+id: int

+assignmentName: String +assignmentDescription: String +assignmentDate: String +assignmentTime: String

+UserAssignment(int, String, String, String, String) +toString(): String

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DBAssignmentTable
-CLASS_TABLE: String = "CLASS_TABLE"
-COLUMN_ID: String = "ID"
-COLUMN_CLASS_NAME: String = "ID"
-COLUMN_TEACHER_NAME: String = "TEACHER_NAME"
-COLUMN_TEACHER_EMAIL: String = "TEACHER_EMAIL"
-COLUMN_DAY_1: String = "DAY_1"
-COLUMN_DAY_2: String = "DAY_2"
-COLUMN_DAY_3: String = "DAY_3"
-COLUMN_DAY_4: String = "DAY_4"
-COLUMN_DAY_5: String = "DAY_5"
-COLUMN_DAY_6: String = "DAY_6"
-COLUMN_DAY_7: String = "DAY_6"
-COLUMN_DAY_T: String = "DAY_T"
-COLUMN_DAY_TIME_1: String = "DAY_TIME_1"
-COLUMN_DAYTIME_1: String = "DAYTIME_1"
-COLUMN_DAYTIME_3: String = "DAYTIME_2"
-COLUMN_DAYTIME_3: String = "DAYTIME_3"
                  -COLUMN_DAYTIME_2: String = DAYTIME_2
-COLUMN_DAYTIME_3: String = "DAYTIME_4"
-COLUMN_DAYTIME_5: String = "DAYTIME_5"
-COLUMN_DAYTIME_6: String = "DAYTIME_6"
-COLUMN_DAYTIME_7: String = "DAYTIME_7"
                                            +DBClassTable(Context)
+onCreate(SQLiteDatabase)
                                 +onUpgrade(SQLiteDatabase, int, int)
                                  +addUserClass(UserClass): boolean
                                   +deleteUserClass(Integer): boolean
+getAllClasses(): List<UserClass>
              +getAllClassesOnSetDay(Integer): List<UserClass>
                                                                    UserClass
                                                                         +id: int
                                                 +nameOfClass: String
+nameOfTeacher: String
                                                       +eacherEmail: String
                                                                     +day1: int
                                                                     +day2: int
+day3: int
+day4: int
                                                                     +day5: int
                                                                     +day6: int
+day7: int
                                                          +day1Time: String
                                                          +day2Time: String
                                                         +day3Time: String
+day4Time: String
+day5Time: String
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+day6Time: String +day7Time: String +UserClass(int, String, String, String, int, int, int, int, int, int, String, String, String, String, String, String, String, +toString(): String

Test Plan

Description	Input	Expected output
Add Class	Press Add new Class button,	Class gets added to database,
	fill out input fields then press	shows on Timetable and All
	Add Class button	classes tab's
Delete Class	Press the class in the	Class gets deleted
	timetable or All classes tab's	
Add Assignment	Press Add new Assignment	Assignment gets added to
	button, fill out input fields	database, Show added

	then press Add Assignment	assignment on Assignment's
	button	tab
Delete Assignment	Press the Assignment in the	Class gets deleted
	Assignment tab	
Move between the tab's using	Press the 3 bars at the top to	Open up selected tab
the sidebar	open side bar, press tab then	
	repeat for all tabs.	
Test if notification is working	Set assignment due to next	Notification should pop up
	day.	on day the assignment is due.
Move between days on timetable	Press the arrowing on the	Change the day shown on the
	timetable tab	timetable tab.