USER CLASS → USER

USER

Name:string

User_name:string

Email:string

Login(firebase)

logout(firebase)

CHAIR CLASS → CHAIR

CHAIR

Department:string

View_class_shedule(): void

Request_class_change(course_code:int) :void
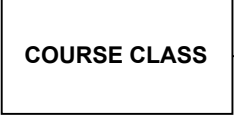

VIEW CLASS → VIEWS

VIEWS

User_role:string

Display_mode:string

Display_shedule():void

Switch_display_mode(mode:string):void

Highlights_conflict():void

ENTRY CLASS → ENTRY

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

COURSE

Course_subject:string

Course_code:int

Course_title:string

Course_section:string

Expected_course_enrollment:int

Course_subject_setter(setter:string):void

Course_subject_getter():string

course_code_setter(setter:int):void

Course_code_getter():int

Course_title_setter(setter:string):void

Course_title_getter():string

Course_section_setter(setter:string):void

Course_section_getter():string

Expected_course_enrollment_setter(setter:int):void

Expected_course_enrollment_getter():int

COURSE CLASS →

TIME

Time_of _class:string

Days_of_class:list

---

set_time_of_class(time_of _class:string):void

get_time_of_class():string

set_days_of_class(days_of_class:list):void

get_days_of_class():list

TIME CLASS →

CLASS PROFESSOR

PROFESSOR
Department:string
Name:string
Courses_taught:list
Set_department(department:string):void
get_department():string
set_name(name:string):void
get_name():string
set_courses_taught(courses:list):void
get_courses_taught():list

CLASS LOCATION

LOCATION
Building:string
Room_no:string
max_capacity:int
set_building(building:string):void
get_building():string
set_room_no(room_no:string):void
get_room_no():string
max_capacity(capacity:int):void
get_max_capacity():int

CLASS DATABASE

DATABASE
read_exel_file(file path:string):void
export_exel_file(file path:string):void

USER

Name:string

SUPER CLASS

User_name:string

Email:string

Login(firebase)

logout(firebase)

INHERITANCE RELATIONSHIP

CHAIR

Department:string

SUBCLASS

View_class_shedule(): void

Request_class_change(course_code:int) :void

CHAIR

Department:string

View_class_shedule(): void

Request_class_change(course_code:int) :void

1   **SELECT ▶**   **1..***

VIEWS

User_role:string

Display_mode:string

Display_shedule():void

Switch_display_mode(mode:string):void

Highlights_conflict():void

VIEWS

User_role:string

Display_mode:string

Display_shedule():void

Switch_display_mode(mode:string):void

Highlights_conflict():void

1..*   **MADE ▶**   **1..***

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

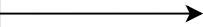View_or_change_each_object() :void

Check_for_conflicts() :void

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

0..*   **STORED ▶**   **1**

DATABASE

read_exel_file(file path:string):void

export_exel_file(file path:string):void

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

1   **CAN HAVE ▶**   **1..***

LOCATION

Building:string

Room_no:string

max_capacity:int

---

set_building(building:string):void

get_building():string

set_room_no(room_no:string):void

get_room_no():string

max_capacity(capacity:int):void

get_max_capacity():int

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void
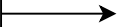
1   **CAN HAVE ▶**   **1..***

TIME

Time_of _class:string

Days_of_class:list

---

set_time_of_class(time_of _class:string):void

get_time_of_class():string

set_days_of_class(days_of_class:list):void

get_days_of_class():list

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

1   **CAN HAVE ▶**   **1..***

PROFESSOR

Department:string

Name:string

Courses_taught:list

Set_department(department:string):void

get_department():string

set_name(name:string):void

get_name():string

set_courses_taught(courses:list):void

get_courses_taught():list

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

1   **CAN HAVE** ▶   **1..***

COURSE

Course_subject:string

Course_code:int

Course_title:string

Course_section:string

Expected_course_enrollment:int

Course_subject_setter(setter:string):void

Course_subject_getter():string

course_code_setter(setter:int):void

Course_code_getter():int

Course_title_setter(setter:string):void

Course_title_getter():string

Course_section_setter(setter:string):void

Course_section_getter():string

Expected_course_enrollment_setter(setter:int):void

Expected_course_enrollment_getter():int

USER

USER

Name:string

User_name:string

Email:string

Login(firebase)

logout(firebase)

VIEWS

VIEWS

User_role:string

Display_mode:string

Display_shedule():void

Switch_display_mode(mode:string):void

Highlights_conflict():void

CHAIR

CHAIR

Department:string

View_class_shedule(): void

Request_class_change(course_code:int) :void

ENTRY

ENTRY

Course_object:course

Time_object:time

Professor_object:professor

Location_object:location

View_or_change_each_object() :void

Check_for_conflicts() :void

DATABASE

DATABASE

read_exel_file(file path:string):void

export_exel_file(file path:string):void

LOCATION

LOCATION

Building:string

Room_no:string

max_capacity:int

---

set_building(building:string):void

get_building():string

set_room_no(room_no:string):void

get_room_no():string

max_capacity(capacity:int):void

get_max_capacity():int

COURSE

COURSE

Course_subject:string

Course_code:int

Course_title:string

Course_section:string

Expected_course_enrollment:int

Course_subject_setter(setter:string):void

Course_subject_getter():string

course_code_setter(setter:int):void

Course_code_getter():int

Course_title_setter(setter:string):void

Course_title_getter():string

Course_section_setter(setter:string):void

Course_section_getter():string

Expected_course_enrollment_setter(setter:int):void

Expected_course_enrollment_getter():int

TIME

TIME

Time_of _class:string

Days_of_class:list

---

set_time_of_class(time_of _class:string):void

get_time_of_class():string

set_days_of_class(days_of_class:list):void
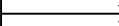
get_days_of_class():list

PROFESSOR

PROFESSOR

Department:string

Name:string

Courses_taught:list

Set_department(department:string):void

get_department():string

set_name(name:string):void

get_name():string

set_courses_taught(courses:list):void

get_courses_taught():list

Relationships:

SELECTS 1..*

1

0..1

1..* MADE

1..* MUST HAVE

1

STORES 1

MUST HAVE 1..*

MUST HAVE

MUST HAVE 1..*

1..*

1

1

USER

WEB BROWSER

RESPONSE

MSUClassIC

RESPONSE

DATABASE