

#### SOFTWARE ENGINEERING

#### **HELPUP REQUIREMENT**

**GROUP A** 



#### **FUNCTIONAL REQUIREMENT**



# user requirment (Students):

the student can book an appointment with the tutor after viewing his/her information..

### system requirment:

- the user chooses between using the SW as a student or as a tutor (in this case the user will continue as a student)
- the user will have the choice of creating a new account or signing in (if he already has an account) if the user chooses creating a new account the following will happen:
- the user have to enter his information which are: (
   Name UserName Password : the password has to
   have a captial letter and a small letter and a number
   and a special character and has to be at least 7
   charcters Phone number Email)
- after entering all of his intormation the user have to read and aprove of the terms and conditions
- after the user creates his account, he will be redircted to the booking page

if the user chooses signing in the following will happen:

- he have to enter the Username and Password he choose previously and will be redirectied to the main page
- the user will have three bubbles to choose from one for: making a new appoiment and one for: the appoiments he already booked and one for: his personal profile

if the user choose to make a new booking the following will happen:

- the user will write the name of the subject and what major it is in
- after entering he will be redirctied to the Tutors page
- all the tutors avaliable for the subject will apear in independent bubble that disclose only the tutors name
- when the user chooses a tutor, he will be redirected to a page with the tutor CV
- after reading the CV and pressing Next, the user will be redircted to a page that has a sample video and the times and data he can chosses from

- after choosing a time and date and pressing Confirm the user will be redirected to paying page
- in the paying page, the user will have to enter the deatiles (Card number - name on card - exp date cvv) of his card for the charge
- after completing the transaction he will be redirected to the main (home) page again
- the user will recive a notifiction if the tutor approves or reject the booking
- the notificton page will always be accessed from the top right corner (there would be an icon) as long as he is using the SW

# user requirment (Students):

the student can view his personal inforrmation and edit it at any given time..

## system requirment:

if the user choose the personal profile the following will happen:

- he can view all his/her information
- the system can retrive the users information and change it how the user want to
- and then saves the changes that were made to the data base

## user requirment (Tutors):

the Tutor can view his/her booking and edit hus cv at any time...

## system requirment:

- the user chooses between using the SW as a student or as a tutor (in this case the user will continue as a tutor)
- the user will have the choice of creating a new account or signing in (if he already has an account) if the user chooses creating a new account the following will happen:
- the user have to enter his information which are: (
   Name UserName Password: the password has to
   have a captial letter and a small letter and a number
   and a special character and has to be at least 7
   charcter Phone number Email)
- after entering all of his intormation the user have to read and aprove of the terms and conditions
- after the user creates his account, he will be redircted to the CV page

if the user chooses signing in the following will happen:

- he have to enter the Username and Password he choose previously and will be redirectied to the main page
- the user will have 5 bubbles to choose from (personal account - sample videos - requests appoiments - resoures)
- if the user choose the personal account bubble (for the first time) :
  - an column will pop up for the user to write his CV if the user choose the personal account bubble:
- he can view his CV and view his information if the user choose the sample video bubble (for the first time):
  - the user will have a column to upload the video and name of the subject it is related to, and he can add a video for every subject he tutor if the user choose the sample video bubble:
  - he can view all the videos he uploaded and edit them if he needs

if the user chose the requests bubble:

 a bubble for every request he got will apear and a checkbox for rejecting and aproving the request

if the user choose the appoiments bubble:

- a bubble for every subject he tutors will apear and the number of student registered and time if the user choose the resoure bubble (for the first time):
- he will have to enter the name of the subject and resources for it (he can add as many resources as he need)

if the user choose the resourse bubble:

 a bubble for every subject will apear with the resoures in it and he can edit them if he need at any time

#### user requirment (Tutors):

the Tutor can view his personal inforrmation and edit it at any given time..

## system requirment:

if the user choose the personal profile the following will happen:

- he can view all his/her information
- the system can retrive the users information and change it how the user want to
- and then saves the changes that were made to the data base



#### NON-FUNCTIONAL REQUIREMENT



## Security:

 we added conditions for the password that the user have to apply to

# Saftey:

- only 2 devices can sign in at the same time for every account (for students and tutors)
- if the user entered the password 3 times worng a message will be sent to the email or phone number registered for the account

# Reliability:

 the system should not have a downtime for more than 5 seconds per day

#### Ease of use:

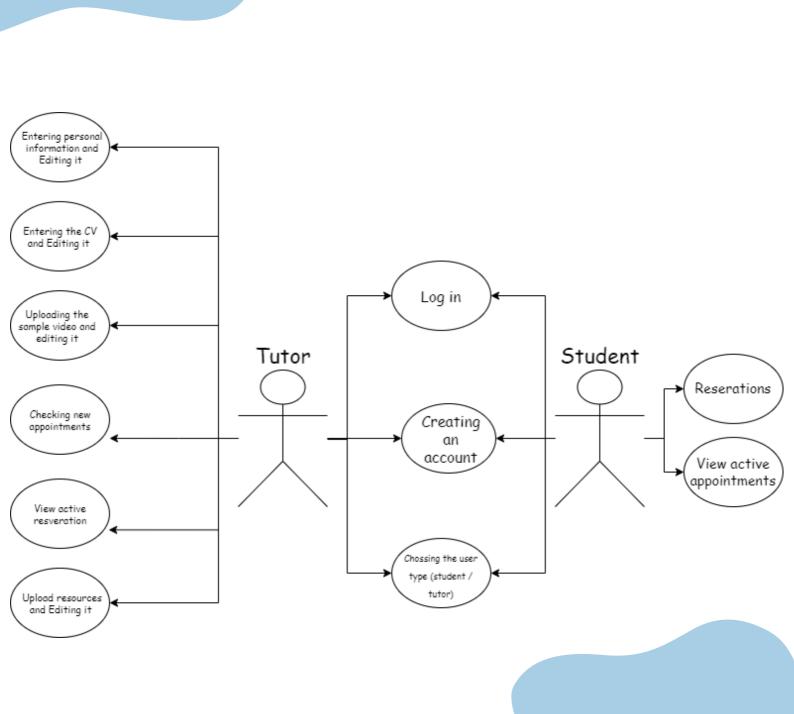
the training time for the SW maximum will be half an hour

#### maintance:

- the SW will have a secheduled maintance one time per week
  - the system should not take more than 3 seconds to move between pages

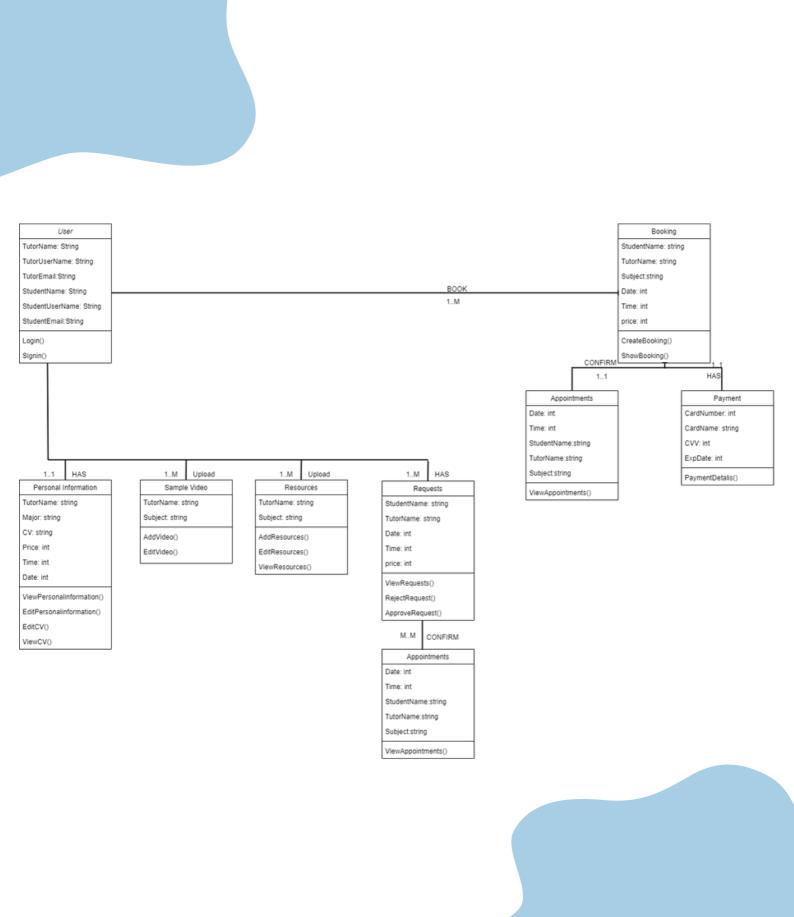
#### **USE-CASE DIAGRAM**





**CLASS DIAGRAM** 





#### SCENARIOS

Task 1 : choosing the user type (student / tutor)	
Actors	Tutor , Student
Description	The user may use the software as a student or tutor
Data	Tutor , Student
Simulate	Command issued by the student or tutor
Response	Access to the login and signing page
Comments	The user must choose to complete the registration as a tutor to view the tutor data, or chose a student to display the student data

Task 2 : Login	
Actors	Tutor , Student
Description	The user Enters the username and password to access the system services
Data	Username , Passwords
Simulate	User Command issued by the student or tutor
Response	Accessing the system by viewing the main page
Comments	If the user entered the password wrong 3 times an email or SMS will be sent

Task 3 : creating an account	
Actors	Tutor, student
Description	The user chooses the icon to create an account, then enters the required information and read the terms and conditions and approve them
Data	Name , Username , Password , phone Number , Email
Simulate	Creates an account for the user
Response	For the student → Access the booking page For the Tutor → Access the personal Info and CV page
Comments	The password must have a capital letter and a small letter and a number and a special character and must be at least 7 characters

Task 4: Making a Reservation	
Actors	student
Description	The student will be able to make reservation for any subject he needs to
Data	Name of the subject, Date, Time, Price , Name of Tutor
Simulate	command issued by student
Response	An appointment for the student will be booked
Comments	The student <u>have to</u> pay for the booking in advanced

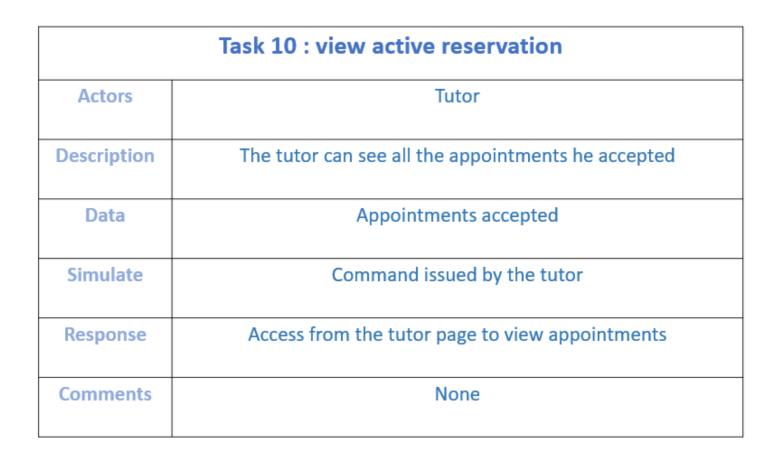
Task 5 : View the active appointments	
Actors	student
Description	The student can see all the appointments he booked that got accepted by the tutor
Data	Active appointments
Simulate	command issued by student
Response	Access from the student page to view appointments
Comments	The tutor must accept the booking for it to appear in this page

Task 6: Entering the personal information and edit it	
Actors	Tutor
Description	The tutor can view his personal information and edit it at any given time
Data	Name , Major , Price , Availability
Simulate	Command issued by the tutor
Response	Tutor access to the personal page
Comments	None

Task 7 : Entering the CV and edit it	
Actors	Tutor
Description	The tutor can enter and modify the cv at any time
Data	Tutor CV
Simulate	Command issued by the tutor
Response	Tutor access to the cv page
Comments	The tutor must be able to edit, delete and add to the cv at any time

Task 8: Uploading the simple video and edit it	
Actors	Tutor
Description	The tutor uploads simple videos of an explanation so that the student knows how to explain and whether he can understand it or not by uploading these videos on his page
Data	The name of the material and the experimental video
Simulate	command issued by tutors
Response	access from the tutor page to students
Comments	The video should be available to all students

Task 9: checking new appointments	
Actors	Tutor
Description	The tutor can view the appointments and accept them or reject them
Data	Accept , Decline
Simulate	Command issued by the tutor
Response	Access from the tutor page to view appoiments
Comments	None



Task 11 : Upload resources	
Actors	Tutor
Description	The tutor displays external sources or summaries of the materials and uploads them on his page to make it easier for students to understand the materials
Data	Material name, summaries and books
Simulate	command issued by tutors
Response	Access from the tutor's page to the students who participated with him
Comments	External resources must be available to participating students all the time

#### INTERFACES















