



Assignment 1 - Group 16

24.4.2018

Erez Ben Ezra - 025438284

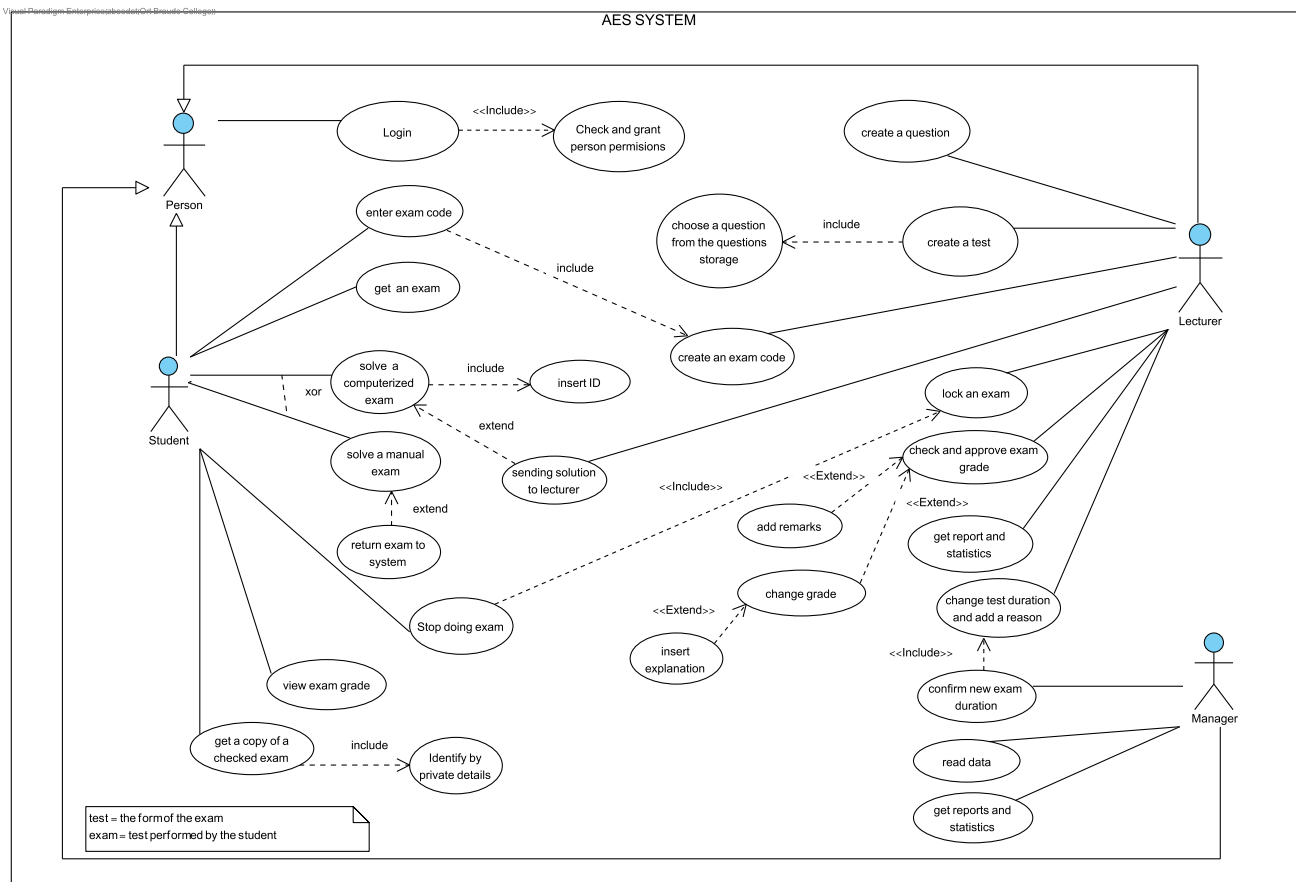
Tal Gilad - 037054095

Muhammad Zbeedat - 033933631

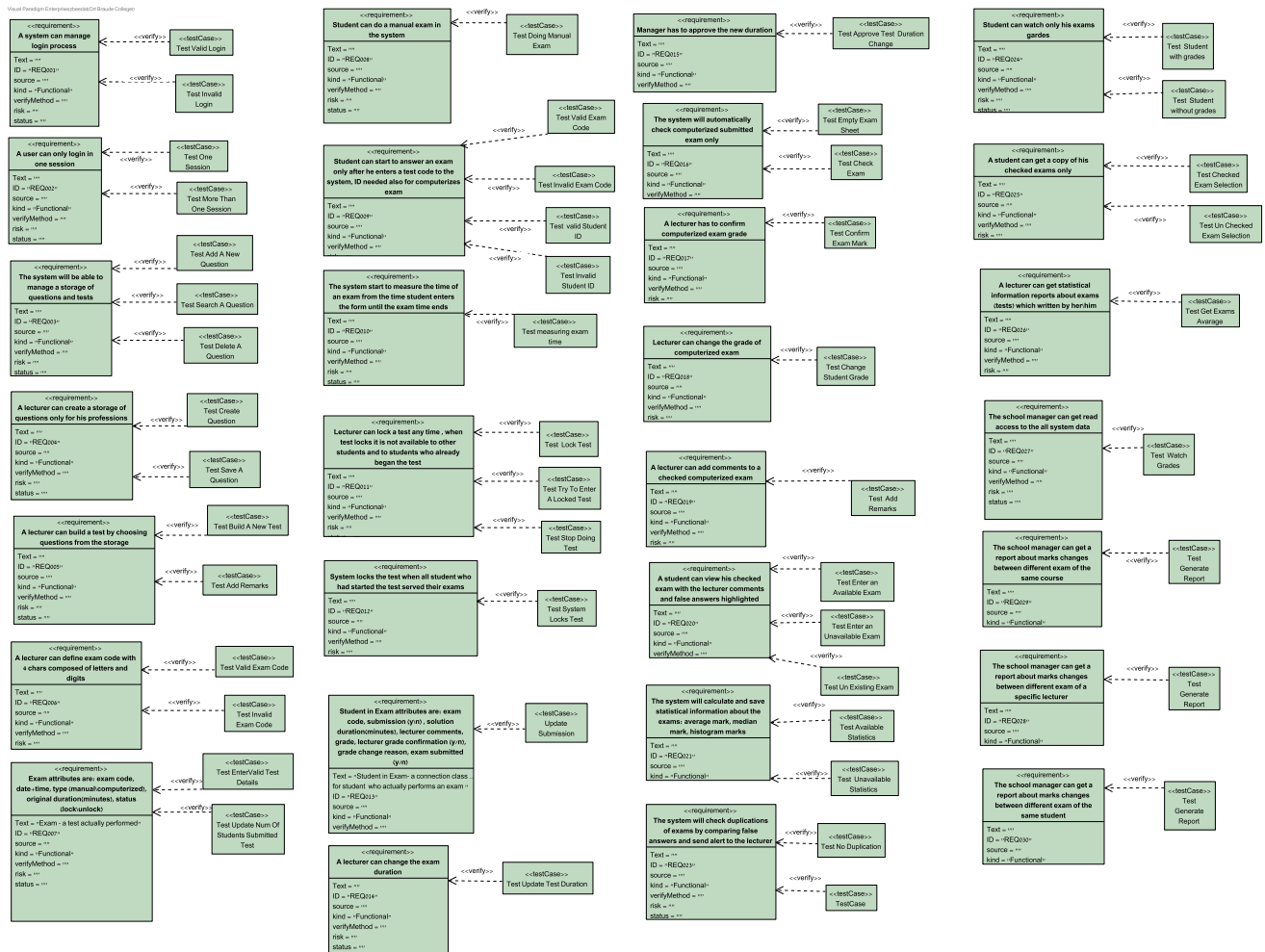
Maayan Salem - 307870311

Perach Ben David - 316218080

AES Use Case Diagram1



Requirement Diagram1



A system can manage login process




ID: REQ001

Test Valid Login

Test Plans

Steps	Procedures	Expected Results
1. Enter to the system site	Entering UML address http:\\...	The site is appearing
2. Enter user information	Enter valid login data: User: erez Password: 123	Entered data appear in form User: erez Password: XXX
3. Submit	Click submit	Data is submitted
4. Checking login data	Checking if login details are correct	User entering to the system a relevant menu is appearing

Relationships




Relationship	From	To
 unnamed	 Test Valid Login	 A system can manage login process

Test Invalid Login

Test Plans

Steps	Procedures	Expected Results
1. Enter to the system site	Entering UML address http:\\...	The site is appearing
2. Enter user information	Enter invalid login data: User: yosi Password: 111	Entered data appear in form: User: yosi Password: XXX
3. Submit	Click submit	A message is appearing : "Invalid user name or password"

Relationships

Relationship	From	To
 unnamed	 Test Invalid Login	 A system can manage login process

A user can only login in one session




ID: REQ002

Test One Session

Test Plans

Steps	Procedures	Expected Results
1. User already login to a session	Checking if user is connecting to the system	alerting with a message "you are already connected to the system"
2. User is not connected the the system	Checking if user is connecting to the system	User login to the system

Relationships




Relationship	From	To
 unnamed	 Test One Session	 A user can only login in one session

Test More Than One Session

Test Plans

Steps	Procedures	Expected Results
1. Precondition : User already login to a session Trying to login from another session	Checking if user is allredy connecting to the system	alerting with a message "you are already connected to the system !"

Relationships

Relationship	From	To
 unnamed	 Test More Than One Session	 A user can only login in one session




 **The system will be able to manage a storage of questions and tests**
ID: REQ003

Test Add A New Question

Test Plans

Steps	Procedures	Expected Results
1. A lecturer clicked save to save a new question	The question is getting a new number: 2 digits for the subject and 3 digits for the question number : 10101 The lecture name who insert the question is also saved : "Erez"	A record off these details is saved

Relationships




Relationship	From	To
 unnamed	 Test Add A New Question	 The system will be able to manage a storage of questions and tests

Test Search A Question

Test Plans

Steps	Procedures	Expected Results
1. Lecture choosing to find a question from the menu	Clicking find button	Entering a find question window
2. Find a question by number	Enter: 01101 clicking find button	The question appears in the form

Relationships




Relationship	From	To
 unnamed	 Test Search A Question	 The system will be able to manage a storage of questions and tests

Test Delete A Question

Test Plans

Steps	Procedures	Expected Results
1. Lecture choosing to cancel a question from the menu	Clicking cancel button	Entering a cancel question window
2. Find the question by number	Enter: 01101 clicking find button	The question is appear
3. Delete the question	Clicking del button	question message is appearing : "Delete this question ?" the user clicked yes option and the question is deleting from the storage

Relationships

Relationship	From	To
 unnamed	 Test Delete A Question	 The system will be able to manage a storage of questions and tests

A lecturer can create a storage of questions only for his professions




ID: REQ004

Test Create Question

Test Plans

Steps	Procedures	Expected Results
1. Lecture choosing to add new question from the menu	Clicking Add question window is appearing with a place to: 1. enter the question. 2. add instructions for it. 3. enter 4 answers with an option to mark one of them as the correct one.	The lecture can write a question and fill all of the details
2. Submit the form	Click the submit button	Prompt: Application is submitted

Relationships




Relationship	From	To
 unnamed	 Test Create Question	 A lecturer can create a storage of questions only for his professions

Test Save A Question

Test Plans

Steps	Procedures	Expected Results
1. Saving the question	Clicking save - user ask to enter details of the question in order to save it to the storage	If all the required fields are full, The question is saved and getting a new number , else a messag appear to fill a required field

Relationships

Relationship	From	To
 unnamed	 Test Save A Question	 A lecturer can create a storage of questions only for his professions

A lecturer can build a test by choosing questions from the storage




ID: REQ005

Test Build A New Test

Test Plans

Steps	Procedures	Expected Results
1. The lecturer named Dan choosing the "build a new test" option from the menu	Clicking build a new test button	The build exam window is appearing
2. Entering test duration time in minutes	Entering: 180 minutes	Duration time appears in the field
3. Entering the profession	Selection the profession of the test from a list : " 01- mathematics"	The selected profession "mathematics" appearing in the field
4. Entering the mathematics questions storage	Clicking ok button (after choosing the profession)	The mathematics questions appear with the option to chose them
5. Choosing Questions for the test	Choosing question for the test : 01101 01102 01103 01104 01105	These selected questions are marked
6. Entering points for each question	Entering: 20 points for each questions	The points are appearing near each question
7. Approving the selected questions	Clicking "Build Test" button	The test is saved in the test storage and a test number is given: 010101 the name of the lecturer "Dan" is also saved

Relationships




Relationship	From	To
 unnamed	 Test Build A New Test	 A lecturer can build a test by choosing questions from the storage

Test Add Remarks

Test Plans

Steps	Procedures	Expected Results
1. Entering test number	Enter test number : 010101	The test number is appearing in the field
2. Getting test details	Click ok	Test details appear in form with the option to update them
3. Entering remarks for the students	Writing: "You have to answer the all questions"	The remarks appear in the field
4. Entering remarks for the lecturer	Writing: "Extra time for the test only 30 minutes"	The remarks appear in the field
5. Saving data	Click save	Message: "The data updated"

Relationships

Relationship	From	To
 unnamed	 Test Add Remarks	 A lecturer can build a test by choosing questions from the storage

A lecturer can define exam code with 4 chars composed of letters and digits




ID: REQ006

Test Valid Exam Code

Test Plans

Steps	Procedures	Expected Results
1. Enter a code by the lecturer	Enter code: eb12	Code is appearing on the form
2. Submit code	Click submitted	Message: "Exam code updated". Saving the code in the system

Relationships




Relationship	From	To
 unnamed	 Test Valid Exam Code	 A lecturer can define exam code with 4 chars composed of letters and digits

Test Invalid Exam Code

Test Plans

Steps	Procedures	Expected Results
1. Enter a code by the lecturer	Enter code: 1234	Code appears on the form
2. Submit code	Click Submit	Message: Invalid code you choose a code with 4 chars including digits and letters. Please re-enter

Relationships

Relationship	From	To
 unnamed	 Test Invalid Exam Code	 A lecturer can define exam code with 4 chars composed of letters and digits

 **Exam attributes are: exam code, date+time, type (manual\computerized), original duration(minutes), status (lock\unlock)**

ID: REQ007




Exam - a test actually performed

Test EnterValid Test Details

Test Plans

Steps	Procedures	Expected Results
1. Enter test details at the first time	Enter: - Code: 010201 - date+time: 10/4/18 09:00 - type: manual - original duration: 2 hours - duration change: null - change reason: null - change approval: null - status: unlock - general num of students: 20 - num student submitted: null	Entered data appear in form
2. Submit the form	Click the submit button	Prompt: Application is submitted

Relationships




Relationship	From	To
 unnamed	 Test EnterValid Test Details	 Exam attributes are: exam code, date+time, type (manual\computerized), original duration(minutes), status (lock\unlock)

Test Update Num Of Students Submitted Test

Test Plans

Steps	Procedures	Expected Results
1. Enter test	Enter code: 010201	Code is appearing at the form
2. Submit code	Click submitted	Test details appear in form
3. Updating num of students who submitted the test	Enter : 15	Enter value appears
4. Submit the form	Click the submit button	Prompt: Application is submitted

Relationships

Relationship	From	To
 unnamed	 Test Update Num Of Students Submitted Test	 Exam attributes are: exam code, date+time, type (manual/computerized), original duration(minutes), status (lock/unlock)

Student can do a manual exam in the system




ID: REQ008

Test Doing Manual Exam

Test Plans

Steps	Procedures	Expected Results
1. Student chose to do a manual test		

Relationships

Relationship	From	To
 unnamed	 Test Doing Manual Exam	 Student can do a manual exam in the system

Student can start to answer an exam only after he enters a test code to the system, ID needed also for computerizes exam




ID: REQ009

Test Valid Exam Code

Test Plans

Steps	Procedures	Expected Results
1. Student enter code exam for doing an exam	Enter valid exam code - ab12	Enter data apperas
2. Submit code	click submitted	If The exam is manual - a word file of the exam appears. If the exam is computerized - student asked to enter his ID

Relationships




Relationship	From	To
 unnamed	 Test Valid Exam Code	 Student can start to answer an exam only after he enters a test code to the system, ID needed also for computerizes exam

Test Invalid Exam Code

Test Plans

Steps	Procedures	Expected Results
1. Student enter wrong exam code	Enter invalid code: aa11	Enter data appears
2. Submit data	Click submitted	Message:" invalid code try again"

Relationships




Relationship	From	To
 unnamed	 Test Invalid Exam Code	 Student can start to answer an exam only after he enters a test code to the system, ID needed also for computerizes exam

Test valid Student ID

Test Plans

Steps	Procedures	Expected Results
1. Student enter his ID into the system after he has already entered his exam code - for a computerized exam	Enter valid ID: 012345678	The exam form appears and the student can answer the questions

Relationships

Relationship	From	To
 unnamed	 Test valid Student ID	 Student can start to answer an exam only after he enters a test code




Relationship	From	To
		e to the system, ID needed also for computerizes exam

Test Invalid Student ID

Test Plans

Steps	Procedures	Expected Results
1. Student enter wrong ID into the system after he has already entered his exam code - for a computerized exam	Enter invalid ID: 011345678	Message:" invalid ID try again"

Relationships

Relationship	From	To
 unnamed	 Test Invalid Student ID	 Student can start to answer an exam only after he enters a test code to the system, ID needed also for computerizes exam

The system start to measure the time of an exam from the time student enters the form until the exam time ends




ID: REQ010


Test measuring exam time

Test Plans

Steps	Procedures	Expected Results
1. Student enter the manual or computerized exam - already logged in - REQ009	System recognize student was entered the exam and starts measuring time in minutes	The system Measures exam duration
2. Exam time ends	At end of time the exam automatically saved and closed	Message appears: "Times ends" and the exam saved and closed

Relationships

Relationship	From	To
 unnamed	 Test measuring exam time	 The system start to measure the time of an exam from the time student enters the form until the exam time ends

 **Lecturer can lock a test any time , when test locks it is not available to other students and to students who already began the test**




ID: REQ011

Test Lock Test

Test Plans

Steps	Procedures	Expected Results
1. Lecturer enter search form	click search test button	Search form appears
2. Search a test	Select: - profession: mathematics - course: algorithms 1 - test: 010101	Enter Data appears
3. Choose a test	mark the desired test to lock	Test select
4. locks the test	Click lock test button	Test is locked

Relationships




Relationship	From	To
 unnamed	 Test Lock Test	 Lecturer can lock a test any time , when test locks it is not available to other students and to students who already began the test

Test Try To Enter A Locked Test

Test Plans

Steps	Procedures	Expected Results
1. Student try to enter a test	Enter test code: ab12	Enter Data appear
2. Submit code	Click submit	Message: "Test is locked please check it with the lecturer"

Relationships




Relationship	From	To
 unnamed	 Test Try To Enter A Locked Test	 Lecturer can lock a test any time , when test locks it is not available to other students and to students who already began the test

Test Stop Doing Test

Test Plans

Steps	Procedures	Expected Results
1. Lecturer enter search form	Click search test button	Search form appear
2. Search a test to lock	Choose: profession: mathematics	All the lecturer exams in mathematics are shown with their exam codes and status
3. Lecturer chooses to lock a specific test which already began	Choose test to lock - enter exam code: ab12	Enter data appears
4. Submit	Click lock test button	System check all the exams with the exam code: ab12 which already started and lock them

Relationships

Relationship	From	To
 unnamed	 Test Stop Doing Test	 Lecturer can lock a test any time , when test locks it is not available to other students and to students who already began the test

 **System locks the test when all student who had started the test served their exams**




ID: REQ012


Test System Locks Test

Test Plans

Steps	Procedures	Expected Results
1. System check	Get over all the exams of - profession: mathematics - Course: algebra and check if field submitted set to "y"	All exams of that test submitted and the system locks the test: mathematic-algebra

Relationships

Relationship	From	To
 unnamed	 Test System Locks Test	 System locks the test when all student who had started the test served their exams

 **Student in Exam attributes are: exam code, submission (y/n) , solution duration(minutes), lecturer comments, grade, lecturer grade confirmation (y/n), grade change reason, exam submitted (y/n)**

ID: REQ013

Student in Exam- a connection class between student and exam




for student who actually performs an exam

Update Submission

Test Plans

Steps	Procedures	Expected Results
1. Student ended his manual or computerized exam and submit it	Click submitted	Data is submitted, exam details are saved and submitted field set to "Y"

Relationships

Relationship	From	To
 unnamed	 Update Submission	 Student in Exam attributes are: exam code, submission (y/n) , solution duration(minutes), lecturer comments, grade, lecturer grade confirmation (y/n), grade change reason, exam submitted (y/n)

A lecturer can change the exam duration




ID: REQ014

Test Update Test Duration

Test Plans

Steps	Procedures	Expected Results
1. Lecturer Enter Search form	Click search test	Search form appears
2. Enter test search by test code	Enter code: 010201	Code appears at the form
3. Submit code	Click submitted	Test details are appearing
4. Updating test duration	Enter: Duration change: 2.5 hours	Entered data appear in form
5. Enter reason	Enter: "Difficult test more time is needed"	Entered data appear in form
6. Submit change	Click submitted	Message: Submitted to approval. Sending request for manager approval

Relationships

Relationship	From	To
 unnamed	 Test Update Test Duration	 A lecturer can change the exam duration

Manager has to approve the new duration

ID: REQ015

Test Approve Test Duration Change

Test Plans

Steps	Procedures	Expected Results
1. Manager Enter Search form	Click search test	Search form appears
2. search a test	Enter code: 010201	Code appears at the form
3. Submit code	Click submitted	Test details appear in form
4. Updating duration approval (permission already granted when manager logged in the system)	Update: change duration approval: Yes	Entered data appear in form
5. Submit the form	Click the submit button	Test new duration is saved, Prompt: Application is submitted

Relationships

Relationship	From	To
 unnamed	 Test Approve Test Duration Change	 Manager has to approve the new duration

The system will automatically check computerized submitted exam only




ID: REQ016

Test Empty Exam Sheet

Test Plans

Steps	Procedures	Expected Results
1. System gets the exam from the student and checks the form	system checks the exam fields of the form	The exam is empty system gives a zero grade

Relationships




Relationship	From	To
 unnamed	 Test Empty Exam Sheet	 The system will automatically check computerized submitted exam only

Test Check Exam

Test Plans

Steps	Procedures	Expected Results
1. System gets the exam from the student and checks the form	System checks the answer of each question in the exam and calculate the grade	System calculate the exam grade and save it with the students details (name, id)

Relationships

Relationship	From	To
 unnamed	 Test Check Exam	 The system will automatically check computerized submitted exam only

A lecturer has to confirm computerized exam grade




ID: REQ017

Test Confirm Exam Mark

Test Plans

Steps	Procedures	Expected Results
1. Lecturer enter search exam form	Click search exam button	Enter search exam form
2. Doing search	Search by fields profession : mathematics course : algebra test number : 01	Getting list of the exams with all their details
3. Enter an un confirmed exam grade of student	Choosing un confirmed exam	The exam record is marked
4. Open the exam	Click open	Exam details appears
5. Checking exam	Lecturer check the exam answers	The lecturer can get over the exam and see the answers
6. Approving grade	Click approve button	Form saved and the exam marked as approved by a lecturer

Relationships

Relationship	From	To
 unnamed	 Test Confirm Exam Mark	 A lecturer has to confirm computerized exam grade

Lecturer can change the grade of computerized exam




ID: REQ018

Test Change Student Grade

Test Plans

Steps	Procedures	Expected Results
1. Lecturer enter search exam form	Click search exam button	Enter search exam form
2. Doing search	Search by fields profession : mathematics course : algebra test number : 01	Getting list of the exams with all their details
3. Choose exam	Choosing a specific exam	The exam record is marked
4. Open the exam	Click open	Exam details appears
5. Change mark	Lecturer clicks change grade button	The grade field can be changed
6. Approving new grade	Click approve button	Exam new grade is saved

Relationships

Relationship	From	To
 unnamed	 Test Change Student Grade	 Lecturer can change the grade of computerized exam

A lecturer can add comments to a checked computerized exam




ID: REQ019

Test Add Remarks

Test Plans

Steps	Procedures	Expected Results
1. Entering test number	Enter test number : 010101	The test number is appearing in the field
2. Getting test details	Click ok	Test details appear in form with the option to update them
3. Entering remarks for the students	Writing: "You have to answer the all questions"	The remarks appear in the field
4. Entering remarks for the lecturer	Writing: "Extra time for the test only 30 minutes"	The remarks appear in the field
5. Saving data	Click save	Message: "The data updated"

Relationships

Relationship	From	To
 unnamed	 Test Add Remarks	 A lecturer can build a test by choosing questions from the storage

A student can view his checked exam with the lecturer comments and false answers highlighted




ID: REQ020

Test Enter an Available Exam

Test Plans

Steps	Procedures	Expected Results
1. Student enter search exam form	Click search exam button	Enter search exam form
2. Doing search	Search available exam by fields profession : mathematics course : algebra test number : 01	Getting his exams record
3. Open the exam form	Click open	The exam form appear and the student can view his mark with the lecturer comments and false answers highlighted

Relationships




Relationship	From	To
 unnamed	 Test Enter an Available Exam	 A student can view his checked exam with the lecturer comments and false answers highlighted

Test Enter an Unavailable Exam

Test Plans

Steps	Procedures	Expected Results
1. Student enter search exam form	Click search exam button	Enter search exam form
2. Doing search for unavailable exam which the grade did not approved yet by the lecturer	Search by fields profession : mathematics course : algebra test number : 02	Message: "Unavailable exam marked did not approved yet"

Relationships




Relationship	From	To
 unnamed	 Test Enter an Unavailable Exam	 A student can view his checked exam with the lecturer comments and false answers highlighted

Test Un Existing Exam

Test Plans

Steps	Procedures	Expected Results
1. Student enter search exam form	Click search exam button	Enter search exam form
2. Doing search for un existing exam	Search by fields profession : mathematics course : algebra test number : 03	Message: "Exam did not exist in the system"

Relationships

Relationship	From	To
 unnamed	 Test Un Existing Exam	 A student can view his checked exam with the lecturer comments and false answers highlighted

 The system will calculate and save statistical information about the exams: average mark, median mark, histogram marks




ID: REQ021

Test Available Statistics

Test Plans

Steps	Procedures	Expected Results
1. Lecturer or Manager enters statistics area	Click get statistics button (button will be enabled only for the lecturer and the manage)	Entering statistics form
2. Entering search available data - tal is the author at list of one test of mathematics	Choosing (from list) : - Lecturer author name: Tal - profession : mathematics	The chosen details appears in the form
3. System Search exams	Click search	System shows a list of tests records of the lecturer and profession which were chosen
4. Choosing a test	Choosing : test code: 010201	The chosen test is marked
5. System calculates the statistic details	Systems gets over all the exams of the chosen test and calculates the statistics data: - average - median - distribution of the grades by decades (0-100)	Statistic details appear

Relationships

Relationship	From	To
 unnamed	 Test Available Statistics	 The system will calculate and save statistical information about the




Relationship	From	To
		exams: average mark, median mark, histogram marks

Test Unavailable Statistics

Test Plans

Steps	Procedures	Expected Results
1. Lecturer or Manager enters statistics area	Click get statistics button (button will be enabled only for the lecturer and the manager)	Entering statistics form
2. Entering search unavailable data - Tal is not the author of any algorithms test	Choosing (from list) : - Lecturer author name: Tal - profession : algorithms	Message: "No data available"

Relationships

Relationship	From	To
 unnamed	 Test Unavailable Statistics	 The system will calculate and save statistical information about the exams: average mark, median mark, histogram marks

 The system will check duplications of exams by comparing false answers and send alert to the lecturer




ID: REQ023

Test No Duplication

Test Plans

Steps	Procedures	Expected Results
1. Search a test by profession	Chosen: - mathematics	profession appear at the form
2. Getting tests list	Click search button	Tests records of the chosen profession appears
3. Chose a test	Chose : 010201	The chosen test is marked
4. Compare exams	Click compare exams button. System starts to compare exams in order to find duplicate ones - with the same mistakes	At the end of search getting message "No duplicates exams"

Relationships




Relationship	From	To
 unnamed	 Test No Duplication	 The system will check duplications of exams by comparing false answers and send alert to the lecturer

Test Duplication

Test Plans

Steps	Procedures	Expected Results
1. Search a test by profession	Chosen: - mathematics	profession appear at the form
2. Getting tests list	Click search button	Tests records of the chosen profession appears
3. Chose a test	Chose : 010202	The chosen test is marked
4. Compare exams	Click compare exams button. System starts to compare exams in order to find duplicate ones - with the same mistakes	The system alert : "Duplicates exams found: code ab12 and code cd34"

Relationships

Relationship	From	To
 unnamed	 Test Duplication	 The system will check duplications of exams by comparing false answers and send alert to the lecturer

Student can watch only his exams grades




ID: REQ024

Test Student with grades

Test Plans

Steps	Procedures	Expected Results
1. Student choose to watch his grades	Click Watch grade button	Enter grades list form, all student grades appears

Relationships




Relationship	From	To
 unnamed	 Test Student with grades	 Student can watch only his exams grades

Test Student without grades

Test Plans

Steps	Procedures	Expected Results
1. Student choose to watch his grades	Click Watch grade button	Message "No data to display"

Relationships

Relationship	From	To
 unnamed	 Test Student without grades	 Student can watch only his exams grades

A student can get a copy of his checked exams only




ID: REQ025

Test Checked Exam Selection

Test Plans

Steps	Procedures	Expected Results
1. Student ask for a exam copy	Click get exam copy button	Enter search exam form
2. Search course exams	Enter: - profession : mathematics - course : algebra1	Getting all records
3. Select a checked exam from the list	Mark the desired exam	The exam which marked selected
4. Get a copy	Click get copy	Downloading the exam file

Relationships




Relationship	From	To
 unnamed	 Test Checked Exam Selection	 A student can get a copy of his checked exams only

Test Un Checked Exam Selection

Test Plans

Steps	Procedures	Expected Results
1. Student ask for a exam copy	Click get exam copy button	Enter search exam form
2. Search course exams	Enter: - profession : mathematics - course : algebra2	Message: "No data found"

Relationships

Relationship	From	To
 unnamed	 Test Un Checked Exam Selection	 A student can get a copy of his checked exams only

 A lecturer can get statistical information reports about exams (tests) which written by her\him




ID: REQ026

Test Get Exams Avarage

Test Plans

Steps	Procedures	Expected Results
1. Lecturer choose to get a report	Click get statistic report	Enter the report generator form
2. Choose a profession	Select : - profession: mathematics - course: algecra1	Generate button became enabled
3. Press Generate report	Click button generate statistic report	Getting statistic report with the option do print

Relationships

Relationship	From	To
 unnamed	 Test Get Exams Avarage	 A lecturer can get statistical information reports about exams (tests) which written by her\him

 The school manager can get a report about marks changes between different exam of a specific lecturer

ID: REQ028




Test Generate Report

Test Plans

Steps	Procedures	Expected Results
1. Lecturer choose to get a report	Click get statistic report	Enter the report generator form
2. Choose a profession	Select : - profession: mathematics - course: algecra1	Generate button became enabled

Steps	Procedures	Expected Results
3. Press Generate report	Click button "compare all course exams"	Getting the report with the option do print

Relationships

Relationship	From	To
 unnamed	 Test Generate Report	 The school manager can get a report about marks changes between different exam of a specific lecturer

 The school manager can get a report about marks changes between different exam of the same course




ID: REQ029


Test Generate Report

Test Plans

Steps	Procedures	Expected Results
1. Lecturer choose to get a report	Click get statistic report	Enter the report generator form
2. Choose a profession	Select : - profession: mathematics - course: algecra1 - Lecturer: auto filled (The lecturer which logged in)	Generate button became enabled
3. Press Generate report	Click button "compare lecturer exams"	Getting the report with the option do print

Relationships

Relationship	From	To
 unnamed	 Test Generate Report	 The school manager can get a report about marks changes between different exam of the same course

 The school manager can get a report about marks changes between different exam of the same student




ID: REQ030

Test Generate Report

Test Plans

Steps	Procedures	Expected Results
1. Lecturer choose to get a report	Click get statistic report	Enter the report generator form
2. Choose a profession	Select : - profession: mathematics - course: algecra1 - student ID: 012345678	Generate button became enabled
3. Press Generate report	Click button "compare all student exams"	Getting the report with the option do print

Relationships

Relationship	From	To
 unnamed	 Test Generate Report	 The school manager can get a report about marks changes between different exam of the same student