

# WEB TECHNOLOGIES – WRITE UP

## **SPRINT #1**

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## **1. INTRODUCTION**

The Admin Dashboard to the LearnOn product will allow to list all the users and courses. To the courses will let create new courses, update and delete them. Also will have highlighted four relevant areas: number of paid courses, number of free courses, average price of the paid courses and the most popular subject.

## **2. USER STORIES**

1. As an Admin, I want to see all the courses displayed so that I can know all the existent courses.
2. As an Admin, I want to create a new course so that I can offer more courses.
3. As an Admin, I want to manage a course so that I can see all the details of the course.
4. As an Admin, I want to update a course so that I can change any detail of the course.
5. As an Admin, I want to delete a course so that I can remove the course of the offered courses.
6. As an Admin, I want to see all the users displayed so that I can view all the users.
7. As an Admin, I want to have the number of paid courses highlighted so that I can know how many paid courses I have to offer.
8. As an Admin, I want to have the number of free courses highlighted so that I can know how many costless courses I have to offer.
9. As an Admin, I want to have the average price of paid courses highlighted so that I can use it for marketing or other activities.
10. As an Admin, I want to have the most popular subject highlighted so that I can use it for marketing or other activities.

# WEB TECHNOLOGIES – WRITE UP

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### 3. MANUAL TEST

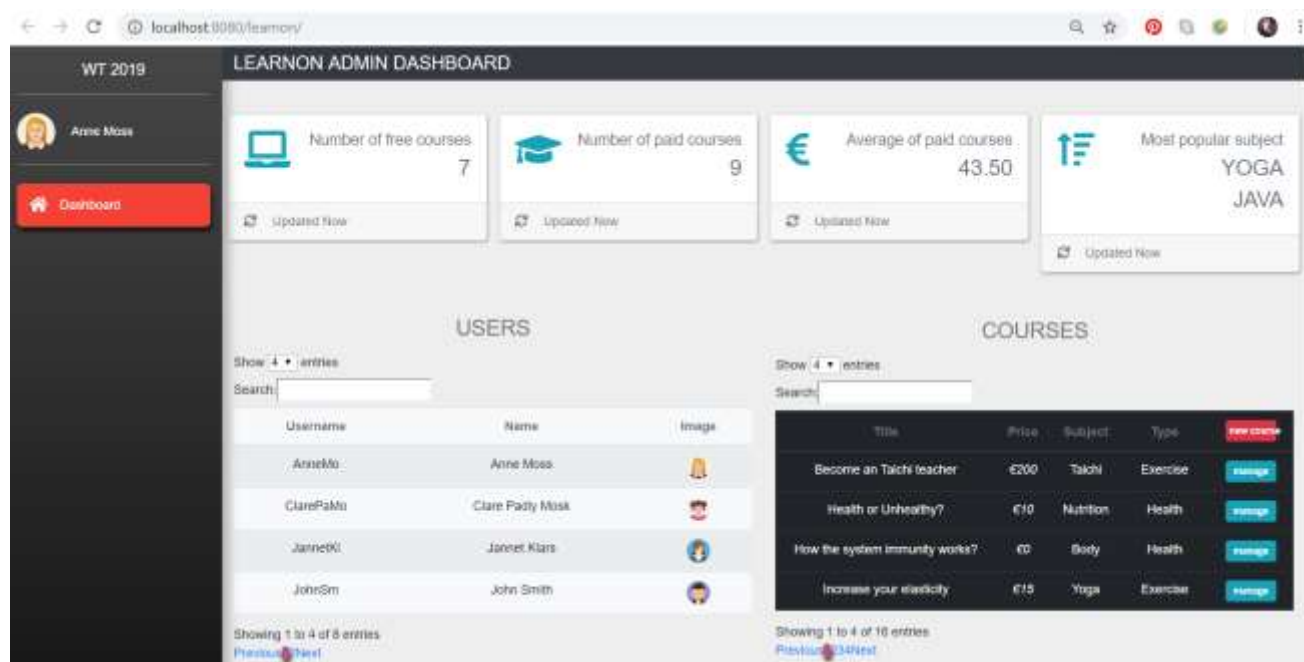
MANUAL TEST RESULT							
TEST CASE ID	User Story ID	Scenario description	Scenario No.	Test No.	Date of Test	Status	Bug ID
1	All	Page loads successful	1	USallSC1	17-Mar	PASS	--
2	All	Page is responsive	2	USallSC2	17-Mar	PASS	--
3	All	Exit of any pop-up modal	3	USallSC3	17-Mar	PASS	--
4	1	Retrieve data for all courses	1	US1SC1	17-Mar	PASS	
5	2	Form with fields to fill in a new course is available	1	US2SC1	17-Mar	PASS	--
6	2	Cancel the creation of a new course	2	US2SC2	17-Mar	FAIL	TC6US2SC2BI1
7	2	Add a course successfully	3	US2SC3	17-Mar	PASS	--
8	2	Error adding a course	4	US2SC4	17-Mar	PASS	
9	3	See all the details for the selected course	1	US3SC1	17-Mar	PASS	--
10	4	Update details for a course successfully	1	US4SC1	17-Mar	PASS	--
11	4	Error updating a course detail	2	US4SC2	17-Mar	PASS	--
12	5	Delete a course successfully	1	US5SC1	17-Mar	PASS	--
13	6	Retrieve data for all users	1	US6SC1	17-Mar	PASS	--
14	7	The number of paid courses is updated	1	US7SC1	17-Mar	PASS	--
15	8	The number of free courses is updated	1	US8SC1	17-Mar	PASS	--
16	9	The average price of paid courses is updated	1	US9SC1	17-Mar	PASS	
17	10	The most popular subject is updated	1	US10SC1	17-Mar	PASS	--
6	2	Cancel the creation of a new course	2	US2SC2	19-Mar	PASS	TC6US2SC2BI1

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY ALL SCENARIO 1	General – Applies to All
TEST CASE ID	1
DESCRIPTION	Page loads successful
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter
EXPECTED RESULTS	The page loads It is possible to see the four highlighted informations It is also possible to see all the users displayed and all the courses displayed

**TEST STATUS – PASSED**

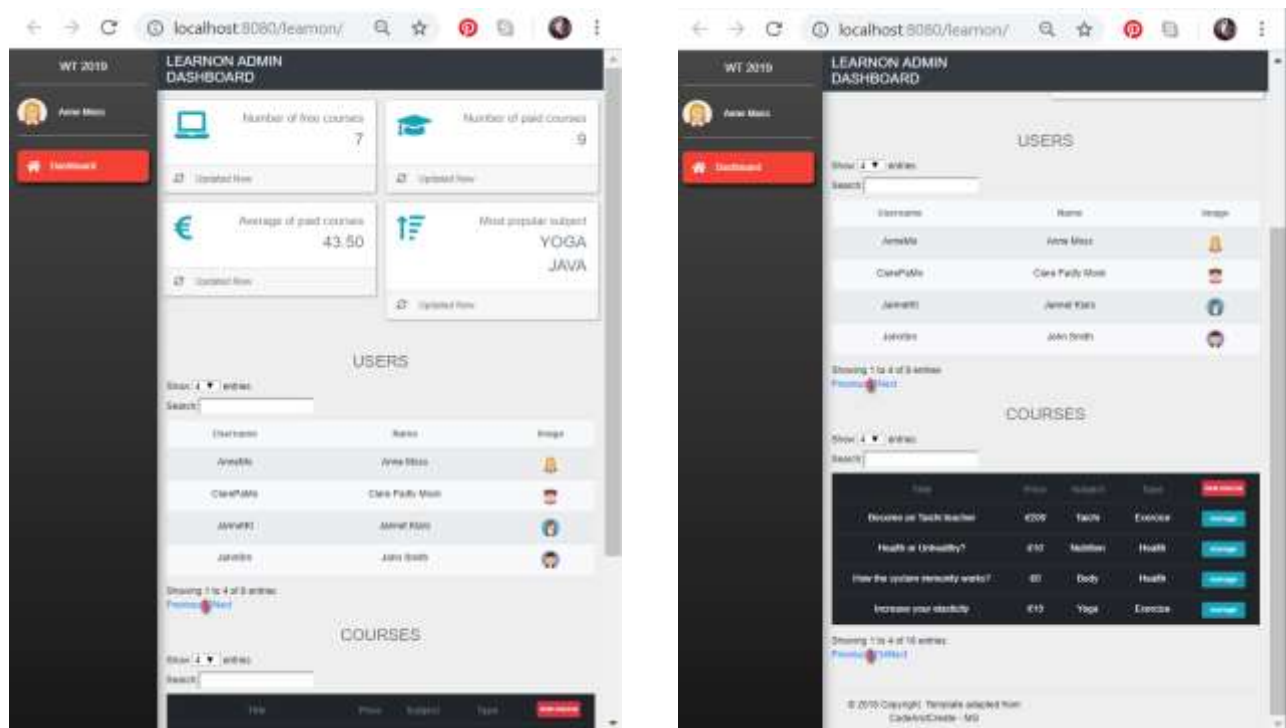


# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY ALL SCENARIO 2	General – Applies to All
TEST CASE ID	2
DESCRIPTION	Page is responsive
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Reduce the browser window size
EXPECTED RESULTS	The page loads The page adjusts to the window size It is possible to see the four highlighted informations It is also possible to see all the users displayed and all the courses displayed

TEST STATUS – PASSED



# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

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USER STORY ALL	General – Applies to All
SCENARIO 3	
TEST CASE ID	3
DESCRIPTION	Exit of any pop-up modal
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Open a pop-up modal: press new course or press manage Click outside the modal or click on the cross symbol on the top right of the pop-up modal
EXPECTED RESULTS	The page loads The pop-up modal appear The pop-up modal is closed

**TEST STATUS – PASSED**

There is no screenshot applied to this test case.

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 1	As an Admin, I want to see all the courses displayed so that I can know all
SCENARIO 1	the existent courses.
TEST CASE ID	4
DESCRIPTION	Retrieve data for all courses
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter On the right side down is possible to see all the courses and search throw: 1. using the search box 2. clicking on the page numbers or clicking on next
EXPECTED RESULTS	1. the list is automatically filter to match the search 2. the table is updated with the next items of the list

**TEST STATUS – PASSED**

## COURSES

Show  entries

Search:

Title	Price	Subject	Type	<a href="#">new course</a>
The history of St Patricks	€0	Ireland	History	<a href="#">manage</a>

Showing 1 to 1 of 1 entries (filtered from 16 total entries)

[Previous](#) [Next](#)

Title	Price	Subject	Type	<a href="#">new course</a>
Portuguese Discoveries	€0	Portugal	History	<a href="#">manage</a>
SQL	€0	SQL	Programming	<a href="#">manage</a>
Taichi for Begginers	€80	Taichi	Exercise	<a href="#">manage</a>
The history of St Patricks	€0	Ireland	History	<a href="#">manage</a>

Showing 9 to 12 of 16 entries

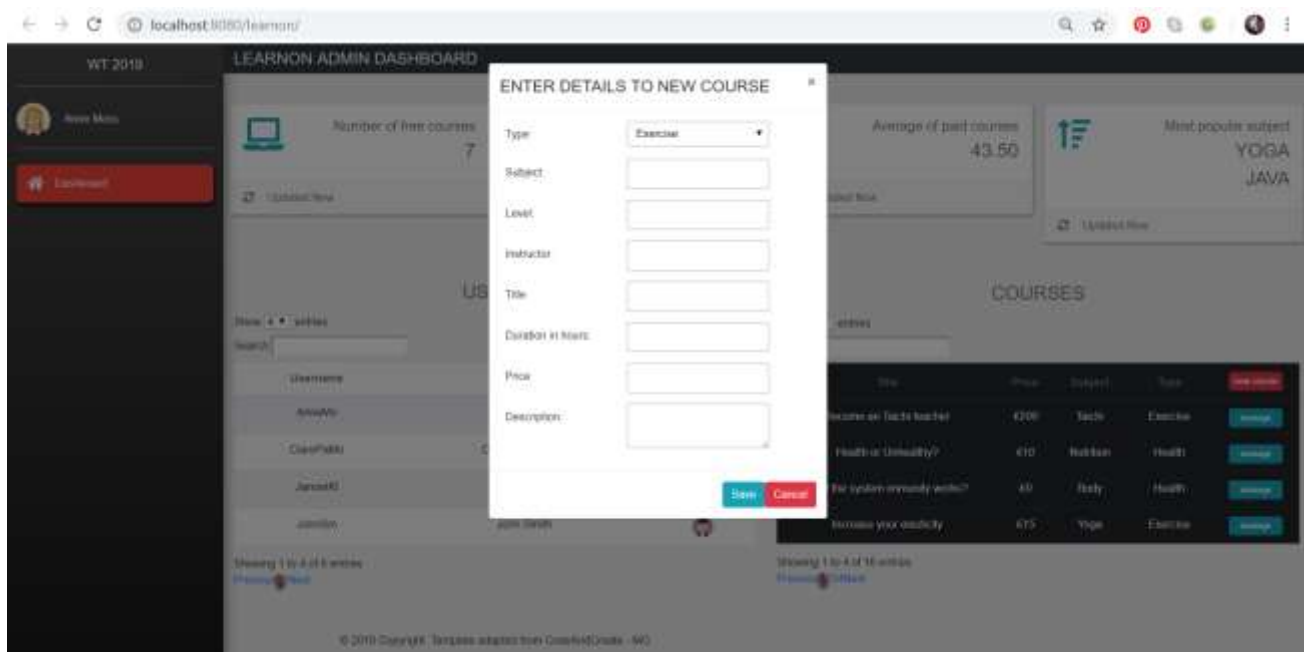
[Previous](#) [12](#) [4](#) [Next](#)

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 2	As an Admin, I want to create a new course so that I can offer more courses.
SCENARIO 1	
TEST CASE ID	5
DESCRIPTION	Form with fields to fill in a new course is available
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the red button new course
EXPECTED RESULTS	A pop-up modal window appears with all the fields to be filled in The modal popup window have also the option to save or cancel

**TEST STATUS – PASSED**





## WEB TECHNOLOGIES – WRITE UP

### SPRINT #1

USER STORY 2 SCENARIO 2	As an Admin, I want to create a new course so that I can offer more courses.
TEST CASE ID	6
DESCRIPTION	Cancel the creation of a new course
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the red button new course Fill in some fields Press cancel Press new course again
EXPECTED RESULTS	A pop-up modal window appears with all the fields to be filled in The modal is closed and no course is added The modal when re-opened have all the fields cleared

**TEST STATUS – PASSED**

ENTER DETAILS TO NEW COURSE

Type: Health

Subject: Nutrition

Level: 1

Instructor:

Title: Blood type and food

Duration in hours:

Price:

Description: Learn what are the best food for you based on your blood type

Save Cancel

ENTER DETAILS TO NEW COURSE

Type: Exercise

Subject:

Level:

Instructor:

Title:

Duration in hours:

Price:

Description:

Save Cancel

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 2	As an Admin, I want to create a new course so that I can offer more courses.
SCENARIO 3	
TEST CASE ID	7
DESCRIPTION	Add a course successfully
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the red button new course Fill in all the fields Press save
EXPECTED RESULTS	The course appears in the table courses (Search for it to help you finding it). If tried to add a new course all the fields are clear

**TEST STATUS – PASSED**

ENTER DETAILS TO NEW COURSE

Type: Exercise

Subject: Running

Level: Advanced

Instructor: John Carter

Title: How to improve your running

Duration in hours: 8

Price: 20

Description: All the techniques that will made your run capacities increase

Save Cancel

COURSES

Show 4 entries

Search run

Title	Price	Subject	Type	
How to improve your running	€20	Running	Exercise	<a href="#">manage</a>

Showing 1 to 1 of 1 entries (filtered from 17 total entries):  
[Previous](#) [Next](#)

## WEB TECHNOLOGIES – WRITE UP

### SPRINT #1

USER STORY 2 SCENARIO 4	As an Admin, I want to create a new course so that I can offer more courses.
TEST CASE ID	8
DESCRIPTION	Error adding a course
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the red button new course Fill in all the fields and type in the price with a wrong characters (letter or symbol) Press save
EXPECTED RESULTS	An alert message appears and the course is not added and so do not appear in the table courses (Search for it to help you checking that the course was not added) If tried to add a new course all the previous fields are there

**TEST STATUS – PASSED**

The screenshot displays a web application interface. On the left, a modal window titled "ENTER DETAILS TO NEW COURSE" is open. It contains several input fields: "Type" (a dropdown menu set to "Exercise"), "Subject" (text input "Running"), "Level" (text input "Advanced"), "Instructor" (text input "John Carter"), "Title" (text input "How to improve your runni"), "Duration in hours" (text input "8"), "Price" (text input "20€"), and "Description" (text area containing "All the techniques that will made your run capacities increase"). At the bottom of the modal are "Save" and "Cancel" buttons. Overlaid on the right side of the modal is a small alert box with the text "localhost:8080 says Course not created. Try again!" and an "OK" button.

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 3 SCENARIO 1	As an Admin, I want to manage a course so that I can see all the details of the course.
TEST CASE ID	9
DESCRIPTION	See all the details for the selected course
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the blue button manage
EXPECTED RESULTS	All the details for the course appear A button to update and other to delete are also present

### TEST STATUS – PASSED

The screenshot shows a web browser at [localhost:8080/learnon/](http://localhost:8080/learnon/). The page is the 'LEARNON ADMIN DASHBOARD'. A modal window titled 'COURSE DETAILS' is open, displaying the following information:

- Course ID: 7
- Type: History
- Subject: Ireland
- Level: All
- Instructor: John Molls
- Title: The history of St Patricks
- Duration in hours: 2
- Price: 0
- Description: All the details and curiosities about St Patricks are in this course

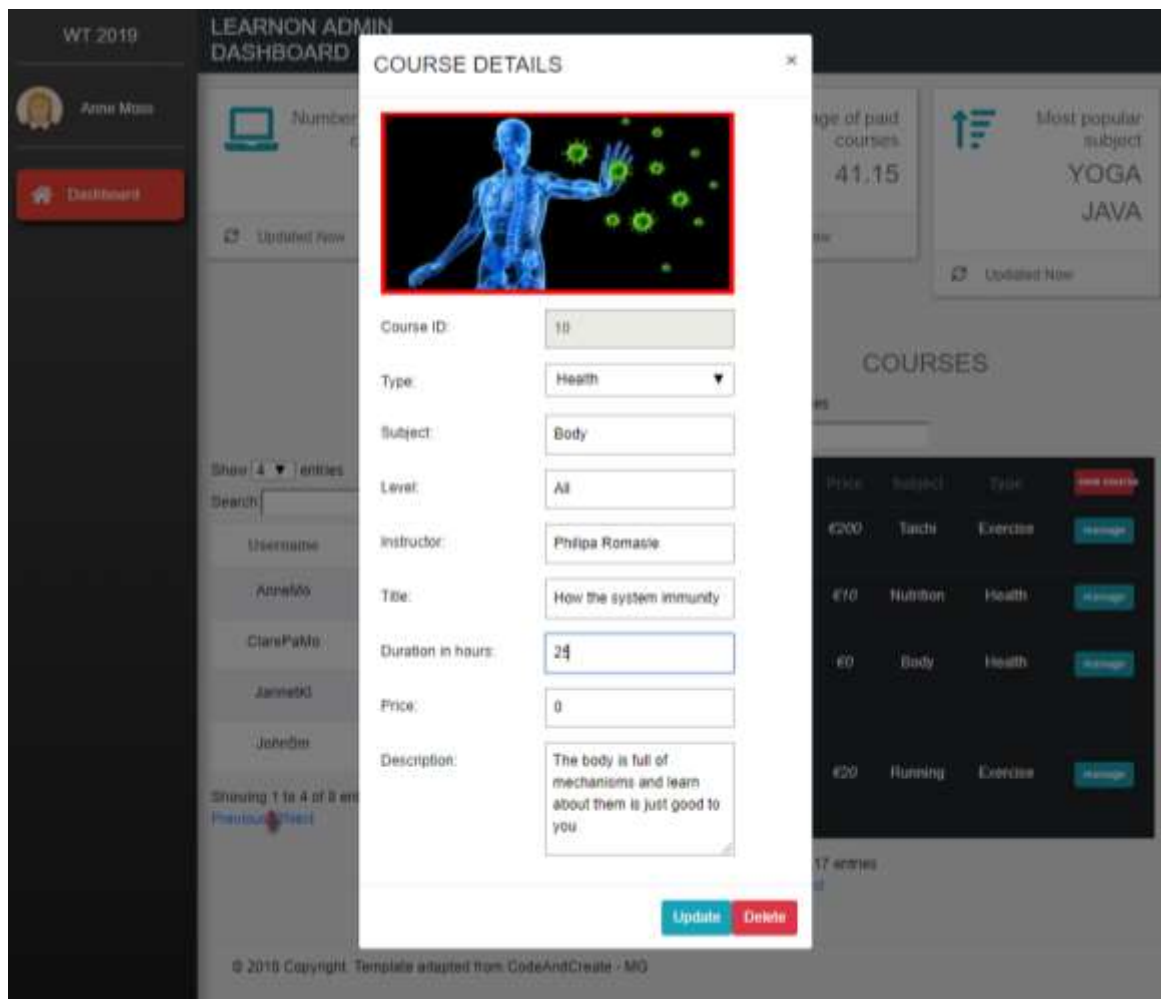
At the bottom of the modal are 'Update' and 'Delete' buttons. The background dashboard shows a sidebar with 'WT 2019' and 'Anne Moss', a 'Dashboard' button, and a list of users. The main content area shows 'Most popular subject' as 'YOGA' and 'JAVA', and a table of 'COURSES' with columns for Price, Subject, Type, and a 'manage' button for each row.

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 4 SCENARIO 1	As an Admin, I want to update a course so that I can change any detail of the course.
TEST CASE ID	10
DESCRIPTION	Update details for a course successfully
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the blue button manage Change any field of the details Press update
EXPECTED RESULTS	All the details for the course appear Change any field enabled The change is saved

**TEST STATUS – PASSED**

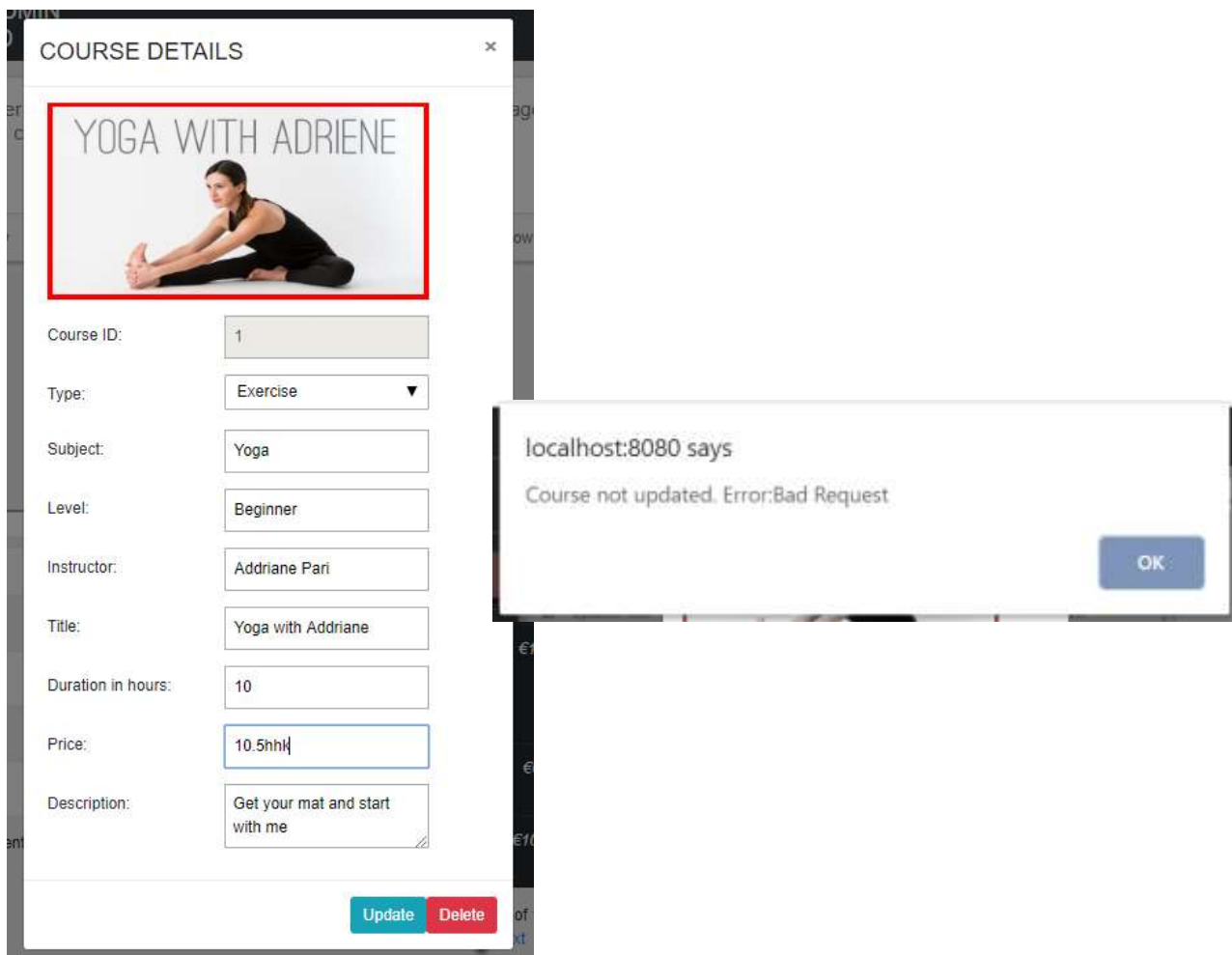


# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 4 SCENARIO 2	As an Admin, I want to update a course so that I can change any detail of the course.
TEST CASE ID	11
DESCRIPTION	Error updating a course detail
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the blue button manage Change any field of the details Press update
EXPECTED RESULTS	All the details for the course appear Introduce a letter in the price An alert message appear and the change is not saved

**TEST STATUS – PASSED**

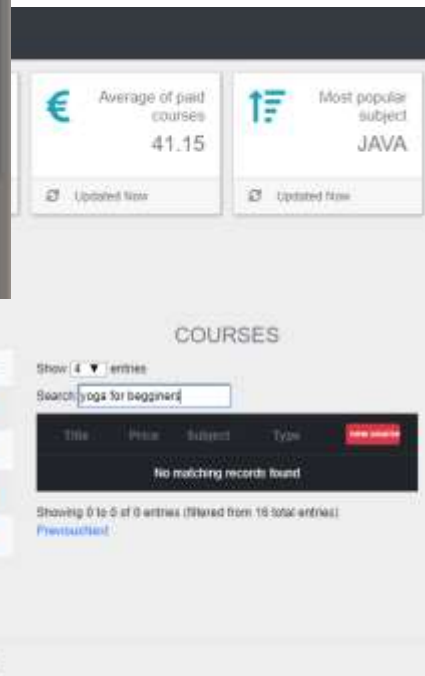
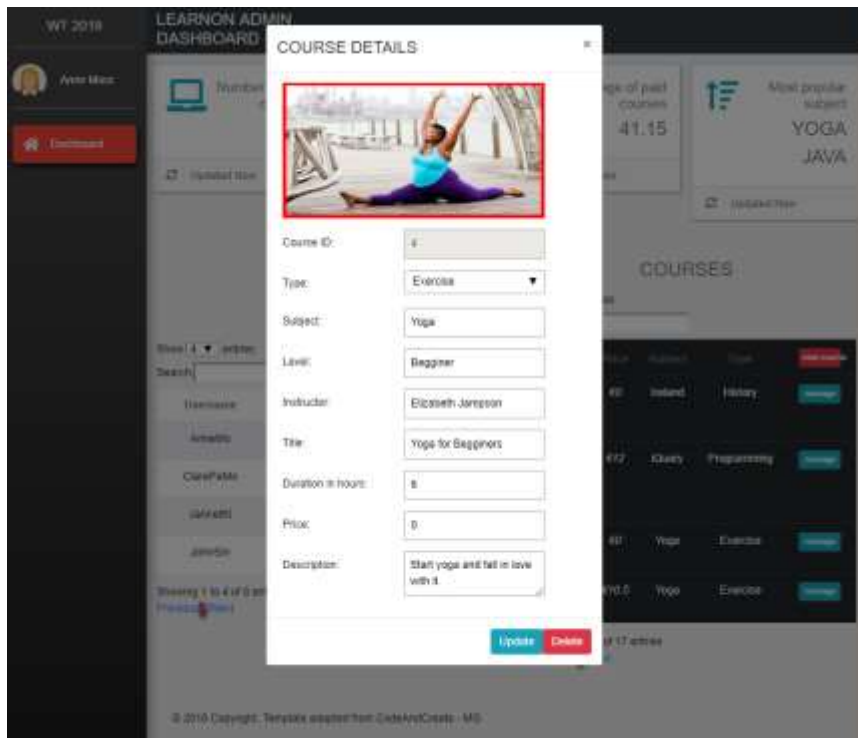


# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 5 SCENARIO 1	As an Admin, I want to delete a course so that I can remove the course of the offered courses.
TEST CASE ID	12
DESCRIPTION	Delete a course successfully
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Click on the blue button manage related to the course that you pretend to delete Press delete
EXPECTED RESULTS	The course is removed from the table courses (Check it using the search box)

**TEST STATUS – PASSED**



# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 6 SCENARIO 1	As an Admin, I want to see all the users displayed so that I can view all the users.
TEST CASE ID	13
DESCRIPTION	Retrieve data for all users
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter On the left side down is possible to see all the users and search throw: 1. using the search box 2. clicking on the page numbers or clicking on next
EXPECTED RESULTS	1. the list is automatically filter to match the search 2. the table is updated with the next items of the list

### TEST STATUS – PASSED

The screenshot shows the LEARNON ADMIN DASHBOARD. The top navigation bar includes 'WT 2019' and 'LEARNON ADMIN DASHBOARD'. The left sidebar shows the user 'Anna Maria' and a 'Dashboard' link. The main content area features four summary cards: 'Number of free courses' (6), 'Number of paid courses' (10), 'Average of paid courses' (41.15), and 'Most popular subject' (JAVA). Below these are two main sections: 'USERS' and 'COURSES'. The 'USERS' section has a search bar and a table with columns 'Username', 'Name', and 'Image'. The 'COURSES' section has a search bar and a table with columns 'Title', 'Price', 'Subject', 'Type', and 'Show course'. The footer indicates '© 2018 Copyright. Template adapted from CodeAndCreate - MU'.

This close-up screenshot focuses on the 'USERS' section. It shows a search bar with the text 'd' entered. Below the search bar, a table displays two users: 'ClarePaMo' (Clare Pady Mosk) and 'KeanuJa' (Keanu Jackson). The table has columns for 'Username', 'Name', and 'Image'. At the bottom, it indicates 'Showing 1 to 2 of 2 entries (filtered from 8 total entries)' and provides 'Previous' and 'Next' navigation links.



# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 7 SCENARIO 1	As an Admin, I want to have the number of paid courses highlighted so that I can know how many paid courses I have to offer.
TEST CASE ID	14
DESCRIPTION	The number of paid courses is updated
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Delete a paid course
EXPECTED RESULTS	The highlighted area is automatically updated to the new number of paid courses after deleting/adding a course (Optional we can click on Updated Now to refresh it)

### TEST STATUS – PASSED

The screenshot shows the LEARNON ADMIN DASHBOARD. The top navigation bar includes 'WT 2019', 'LEARNON ADMIN DASHBOARD', and a user profile 'Admin Moss'. The dashboard features four summary cards: 'Number of free courses' (6), 'Number of paid courses' (10), 'Average of paid courses' (41.15), and 'Most popular subject: JAVA'. Below these are sections for 'USERS' and 'COURSES'. The 'USERS' section shows a list of users with columns for Username, Name, and Image. The 'COURSES' section shows a table with columns for Title, Price, Subject, Type, and an 'Add course' button. The table lists four courses: 'Become an Tech teacher', 'Health or Unhealthy?', 'How the system actually works?', and 'How to improve your running'.

This screenshot shows the dashboard after a paid course has been deleted. The 'Number of paid courses' card now displays 9, and the 'Average of paid courses' card shows 44.61. The 'COURSES' table now lists five courses, including 'Increase your elasticity'.

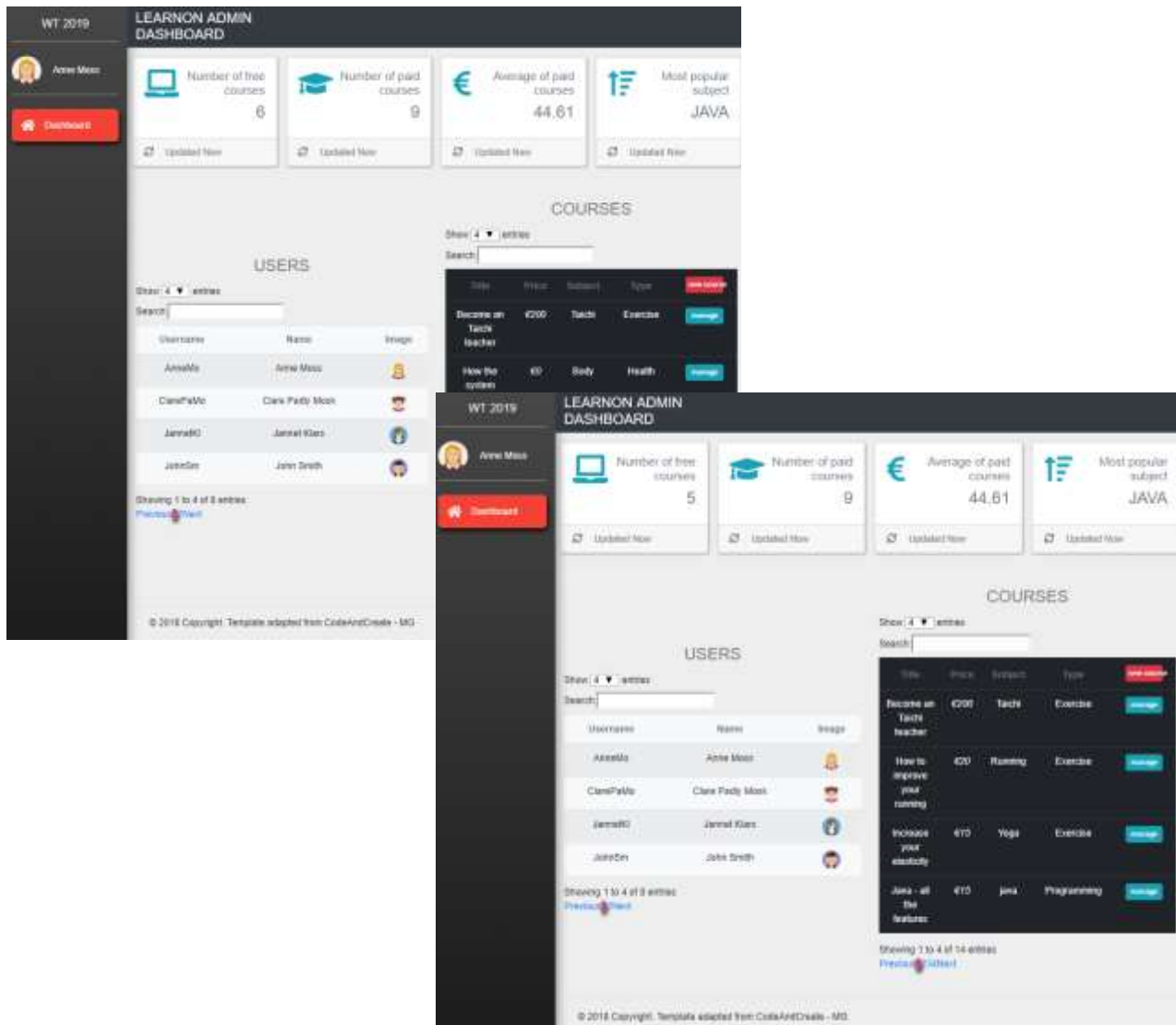
This close-up screenshot focuses on the 'USERS' table. It shows a list of users with columns for Username, Name, and Image. The users listed are Admin Moss, Clark Petty Moss, Jannet Wars, and John Smith. The table indicates it is showing 1 to 4 of 4 entries.

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 8	As an Admin, I want to have the number of free courses highlighted so that I
SCENARIO 1	can know how many free courses I have to offer.
TEST CASE ID	15
DESCRIPTION	The number of free courses is updated
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Delete a paid course
EXPECTED RESULTS	The highlighted area is automatically updated to the new number of free courses after deleting/adding a course (Optional we can click on Updated Now to refresh it)

**TEST STATUS – PASSED**



# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 9	As an Admin, I want to have the average price of paid courses highlighted so that I can use it for marketing or other activities.
SCENARIO 1	
TEST CASE ID	16
DESCRIPTION	The average price of paid courses is updated
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Delete a paid course
EXPECTED RESULTS	The highlighted area is automatically updated to the new value of the average price of paid courses after deleting/adding a paid course (Optional we can click on Updated Now to refresh it)

### TEST STATUS – PASSED

The image displays two screenshots of the LEARNON ADMIN DASHBOARD, illustrating the process of updating the average price of paid courses.

**Left Screenshot:** The dashboard shows the 'Average of paid courses' as 44.61. The 'COURSES' table lists two paid courses: 'Become an Tech teacher' (price 400) and 'How to improve your' (price 400). The 'USERS' table lists four users: Anna Maria, Clara Paddy Mack, Jannet Kilar, and John Smith.

**Right Screenshot:** After deleting the 'Become an Tech teacher' course, the 'Average of paid courses' is updated to 25.19. The 'COURSES' table now only lists the 'How to improve your' course (price 400). The 'USERS' table remains the same.

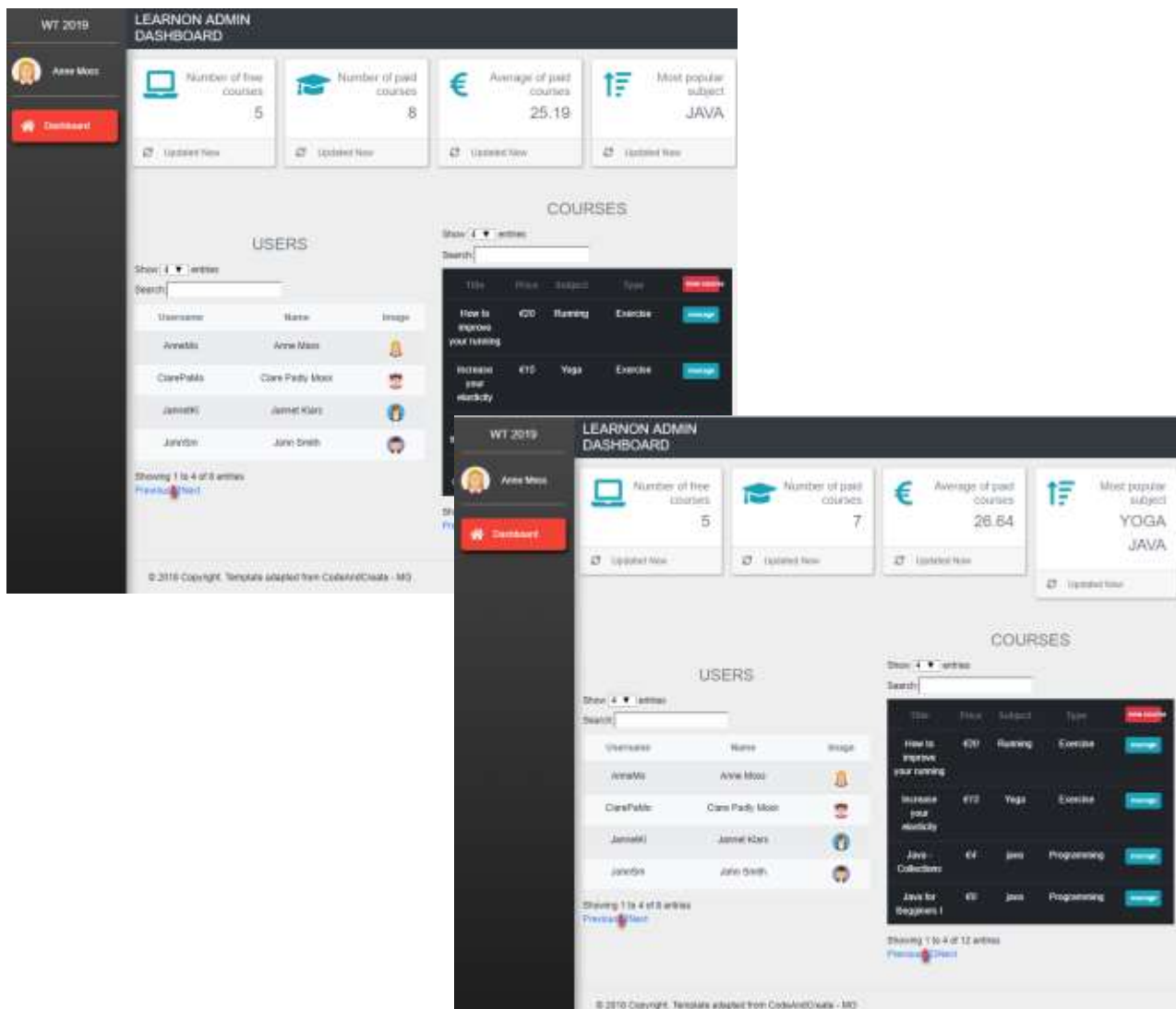
The dashboard includes a sidebar with a 'Dashboard' link and a top navigation bar with the user's name 'Anna Maria' and a 'Logout' button. The footer indicates '© 2018 Copyright. Template adapted from: CodeAndCreate - MD.'

# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

USER STORY 10	As an Admin, I want to have the most popular subject highlighted so that I can use it for marketing or other activities.
SCENARIO 1	
TEST CASE ID	17
DESCRIPTION	The most popular subject is updated
PRECONDITIONS	The Application Server and Database Server is running The browser is open
ACTIONS	Enter the url: <a href="http://localhost:8080/learnon/">http://localhost:8080/learnon/</a> Press enter Delete a course with the popular subject
EXPECTED RESULTS	The highlighted area is automatically updated to the new subject(s) course(s) after deleting/adding a course (Optional we can click on Updated Now to refresh it)

**TEST STATUS – PASSED**



# WEB TECHNOLOGIES – WRITE UP

## SPRINT #1

### 4. TEST REPORT SUMMARY

TEST TYPE	TOTAL SCENARIOS	NUMBER PASSED	NUMBER FAILED
Manual	17	17	0
Arquillian	14	14	0

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
learnon	41.8 %	611	851	1,462
src/test/java	10.6 %	101	851	952
src/main/java	100.0 %	510	0	510
com.ait.webtechnologies.project.learnon.data	100.0 %	108	0	108
CourseDAO.java	100.0 %	72	0	72
UserDAO.java	100.0 %	36	0	36
com.ait.webtechnologies.project.learnon.model	100.0 %	104	0	104
Course.java	100.0 %	73	0	73
User.java	100.0 %	31	0	31
com.ait.webtechnologies.project.learnon.rest	100.0 %	298	0	298
CourseWS.java	100.0 %	167	0	167
JaxRsActivator.java	100.0 %	3	0	3
UserWS.java	100.0 %	128	0	128

```
TESTS
-----
Running com.ait.webtechnologies.project.learnon.test.rest.CourseWSTest
Mar 19, 2019 11:07:24 PM org.xnio.Xnio <clinit>
INFO: XNIO version 3.2.0.Beta4
Mar 19, 2019 11:07:24 PM org.xnio.nio.NioXnio <clinit>
INFO: XNIO NIO Implementation Version 3.2.0.Beta4
Mar 19, 2019 11:07:24 PM org.jboss.remoting3.EndpointImpl <clinit>
INFO: JBoss Remoting version (unknown)
Tests run: 9, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 7.916 sec - in com.ait.webtechnologies.project.learnon.test.rest.CourseWSTest
Running com.ait.webtechnologies.project.learnon.test.rest.UserWSTest
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 2.969 sec - in com.ait.webtechnologies.project.learnon.test.rest.UserWSTest

Results :

Tests run: 14, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 17.548 s
[INFO] Finished at: 2019-03-19T23:07:34Z
[INFO] -----
```

### 5. BUG REPORT

BUG ID	SOFTWARE VERSION	DESCRIPTION OF BUG	STEPS TO RE-CREATE BUG	STATUS
TC6 US2 SC2 B11	1.0	After cancel when clicking again in new course the fields are not being cleared	Click on new course> fill in some fields> click on cancel> click on new course > check the fields	SOLVED

There are currently no known existing bugs in this project