5COSC021W Coursework 2 - INDIVIDUAL template 2023_24

- Use this template to structure the individual part of coursework2. Ensure that the correct information is in each white box. The advice for each box is basic guidance to help you focus your answer.
- YOU MUST USE THIS TEMPLATE FOR THE INDIVIDUAL PART OF COURSEWORK 2.
- The current size of the boxes is not indicating how much you should write; change their size as you need.
- When you save the file, put your name and registration number in the file name, eg '5COSC003W_cwk2_Individual_Kelly_Garret_12345678.doc'.
- Sections in the template that don't have any text will receive no marks. The code files are used to
 ensure that what is written in the template is supported with what was implemented. However,
 code files only will not receive any marks and will not be used as submission of part of the template.
 Similarly, templates submission without the submission of code files will receive no marks.
- In order for the tutors to be able to assess your work you must:
- Submit a zipped project folder of the **COMPLETE** working project (i.e. the parts of each group member incorporated in one program, not just your part). If you have not been able to incorporate your part with that of the group, then submit only your part it should be able to run though by itself. The folder should include all the necessary files (including databases) to run as a project on Django and SQLite.
- Make sure that the submitted project will run using the software provided by the University. Contact your tutor if you have any problems with this.
- Make sure that the project folder should contain all files necessary to run the program e.g. databases etc.
- Make sure that file I/O code does not use absolute file paths.
- Make sure that the submission contains all usernames and passwords necessary to test the program.
- Include a link to a video describing/running the complete application each team can produce one video, but all submissions must include the link that video. If your work is not integrated with that of the group, you can upload your own video of your work.

Surname	Samuel						
Forename	Cucicea						
Registration No:							
	W1873364						
By submitting this cou	rsework you agree to the following:						
I confirm that I underst	and what plagiarism is and have read and understood the section on						
Assessment Offences in	n the Essential Information for Students. The work that I have submitted	I confirm					
is entirely my own. An	y work from other authors is duly referenced and acknowledged.						
List here the team	Ahsan Ziad						
name and the other	Velislav Penev						
members of your	Pavel Strelcovs						
group	Mehedi Ahsan						

1. Code - Code functionality - individual element and integration to application (20 marks)

Guidance:

- Include here the **names of the files** that make up the individual element of your application. Where necessary you may have to include files that were co-authored with other members of your team (eg for the database etc)
- Explain what each file does and the functionality of the code. Detail whether all the code in the file is your own product or a product with other team members. Include the names of the other authors where applicable. Authorship information should also be commented at the beginning of each of your files.
- Explain how your code was integrated with the code of other members of the group so that to produce one application.
- Marking of this section will also include assessment on the submitted files, the overall functionality of your work, as well as defence of your work during the demonstration.

In our project, we divided the work into the following apps:

- Authentication Responsible for the authentication part of the project.
- Bookings Responsible for the bookings page journey.
- InventorySystem (core app) The main app.
- Products Responsible for handling the products.

My primary contributions to the project were focused on developing critical functionalities within the Authentication and Booking segments. I was responsible for implementing both front-end and back-end components, but mostly back-end ensuring seamless integration and functionality.

Authentication

Contributors: Backend mainly lead by me, but all members of the team done something at some point in each file, and front end same, everyone changed a color or done some positioning at some point.

views.py:

- Implemented user login and session management functions to handle user authentication processes securely; also created business logic(in views.py) for user sign-up such that needs to be approved by admin and until then gets rendered the approval page.
- Wrote the entire authentication logic, integrating Django's authentication system to security measures such as password validation that it cannot be as the name of the user or length of the password which guides user to more secure.

templates/authentication/user_login.html:

• Developed the HTML structure for the user login page, providing a user-friendly interface for authentication.

static/authentication/css/user_login.css:

• Styled the login page to align with the application's overall design aesthetic, enhancing the user interface with custom CSS.

models.py:

- Description: Defines the user model extended from Django's default User model, adding additional fields such as phone number and address.
- **Functionality**: Includes classes like CustomUser, which inherits from AbstractUser, providing the flexibility to add more fields to the user model as required.

Personal Contribution: Designed the extended user model to include additional fields and implemented methods to handle user-specific queries.

- Integration: Interacts with views.py for fetching and storing user data during registration and login processes, such that user need to be approved by admin.
- Team Contribution: All team members contributed to code refactoring after deciding to deviate from the initial database design.

Admin.py:

In admin, I created a class called CustomUserAdmin which registers CustomUser. I
was responsible for integrating it with the model, ensuring the admin has necessary
columns for managing the users, such as date joined, name, and email. Also added a
method for hashing user passwords to enhance security and privacy. Lastly, I created
actions for the admin which call functions such as approve user, revoke user, or
delete user.

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Bookings

• **Contributors:** All team members were involved in the bookings app, especially in the backend. However, the main developers for the model, admin, and views to handle the logic were me and Velislav, with others focusing more on the front end.

files

templates/booking/main.html and static/booking/css/main.css: Team members styled the main booking page from the initial rough page, with backend done, allowing users to view and manage bookings effectively. I contributed personally to the layout so that the CSS file was shareable across multiple pages for code reusability.

views.py: Implemented backend functionalities for booking history management and processing booking requests, involving complex database interactions to handle user inputs, validate dates, and retrieve booking history from the booking model.

- **Personal Contribution:** Developed robust backend logic to support booking operations, including data validation, primarily in the model and admin.
- **models.py:** Modified the initial booking model created initially by us to include more attributes which later in the views were used to associate a booking better to a product respectively to user.

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• Admin.py: includes methods such us, approve booking, return item.short

reject booking, send_alert ,return item ,mark_as_overdue remove_as_overdue ,remove_returned,mark _returned. The above actions have the functions specific, also in the view is integrated such that when admin marks as returned it adds the dates in the admin Django administrations column.

Products

• Contributors: All team members were involved in the products app however the main contributor were Velislav and Me on the blackened all ensured that followed the design from the model in the database however we had to deviate a bit from the design as we came to conclusion that in design was not fitting completly our needs and the business logic.

Templates

• **templates/products/products_page.html:** Provides the HTML structure for displaying products on the website, also extends the base html file.

Static

• **static/products/css/products_page.css:** is the specific css for the products page.

models.py:

• **Description**: Establishes the data models for products, including fields for name, price, stock quantity, and description.

admin.py:

- Functionality: Customizes the Django admin for product management, enabling administrators to easily add, edit, and delete product entries, also includes fiels such as status, quantity, date added for a comprehensive reporting.
- **Personal Contribution:** Configured the admin interface to include more columns in the admi.
- Integration: Interacts with the admin and views.py to provide a reliable backend for product operations. Such that when a product is out of stock then is not available for booking and is not added in the bookings page(cart)

views.py:

• Integrations: Works in conjustion bookings page and bookings_history page where all the bussines logic is ensured. The following functions were adopted to meet the functionalities in the front end in the forms: - create_booking, choose_dates, remove_from_booking_cart ,choose_dates , confirm_booking, bookings page(Basically renders the bookings page).

Over all as a Team Leader I had to help my team with backend more ensuring that we follow the design and we don't miss the required functionalities.

2. Your code - Code Quality - Maintainability (10 marks)

Guidance:

- Comment on the maintainability of your code. Reflect on your coding standards and conventions used, discuss code reusability and use of comments. All text in the template must be specific to your application and supported with examples from your implementation.
- Marking of this section will also include assessment on the submitted files, the overall functionality of your work, as well as defence of your work during the demonstration in order to ensure that what is written in this template is supported by the implementation that was submitted.

The maintainability of the code was a central focus throughout the development of our application. After initial challenges, including multiple team members working independently which led to redundant code, we established a set of coding standards and project structures that significantly improve our code's maintainability.

We organized our Django application into distinct apps for each major component:

- Authentication, Bookings, InventorySystem, and Products. This separation adheres
 to the Single Responsibility Principle, ensuring that each app has a clear focus and
 reduces complexity.
- Within each app, we structured the directories consistently:
 - static/authentication/css for CSS files to style the authentication-related pages.
 - **static/authentication/images** for all visual assets used within the authentication app.
 - **templates/authentication** for all HTML templates, ensuring a clear pathway from views to their respective templates.

Each function and class has comments where necessary to explain the purpose and logic.

- Modular CSS: CSS files are organized to maximize reusability. Common styles are
 defined in base.css, for example in for sidebar and footer. Also, authentication pages
 share same CSS files.
- The bookings history and bookings page share same CSS, and some input validation from the view.
- In **views.py** within the Authentication app, the login and registration logic is encapsulated in functions that are used across different user interaction scenarios, such as logging in and signing up.

3. Your code - Code Quality - version control (10 marks)

Guidance:

- Comment on your version control and how you ensured that your work was compatible with that of your group members. Support your text with examples from your version control history.
- Marking of this section will also include assessment on the submitted files, the overall functionality of your work, as well as defence of your work during the demonstration.

We used GitHub for version control and implemented the following strategy:

- Repository Setup: We created a repository named "Inventory System," which
 included a ReadMe file in the main branch. We utilized feature-based branching,
 where each feature was developed in a separate branch to ensure isolated testing
 before integration.
- Code Reviews and Merging: After completing work on a feature, we created a pull
 request. One of us would review the code and approve the merge request. This
 process helped ensure that only quality code was merged into the main branch. In
 cases of errors or accidental changes, we reverted to the latest working commit,
 allowing us to seamlessly continue development.
- **Commit Frequency:** During meetings, we agreed to make frequent commits. This ensured that every team member could continue working from the most recent and stable feature updates or after bug fixes.
- Merge Conflict Resolution: We resolved merge conflicts collaboratively, ensuring
 that each team member agreed with the changes and understood the updated
 codebase. Our approach minimized merge conflicts and promoted a thorough
 understanding of the codebase among all team members.

This strategy helped us maintain a high-quality, stable codebase and ensured that our work was compatible with the efforts of other team members.

Example commit message:

- -User will not be able to make a booking if is not in stock
- messaging added such that user is informed if successful or not
- other things look for yourself
- more validations for dates choosing in views.py
- typo fixed, booking to booking in url.py

4. Your code - Code Quality - output of test plans (10 marks)

Guidance:

- List your **test plan and the output** for your individual part and that of the overall application once you integrated with the elements of your group members.
- Marking of this section will also include assessment on the submitted files, the overall functionality of your work, as well as deference of your work during the demonstration.

TOTOTI	прико	Expedica output	ricture output	1001 010 11001	TOOLITOOULL	TOOL OUTHINGING	
Open WebApp	www.schoolinventorymanag	School inventory management	School inventory management	yes	yes		
	ement.com	landing page	landing/welcome page				
Student enter correct Username/password &	username : student	Login successful	Login successful redirects to products	yes	yes		
press log in	password : Student1!						
Staff enter correct Username/password &	username : staff	Login successful	Login successful redirects to products	yes	yes		
press log in	password : Staff1!						
Forgot password is used by user to change	User enters new password	Password updated	When pressed nothing happens	no	no	Not Implemented	
password							
Admin enter correct Username/password &	username : aaa@gmail.com	Login successful redirects to	Login successful redirects to admin	yes	yes		
press log in	password : aaa	admin panel	panel				
Login	Test Case ID			Login-B			
Login - Test Case	Test Priority			High			
N/A	Post-Requisite			N/A			
Action	Inputs	Expected Output	Actual Output	Test Browser	Test Result	Test Comments	
Open WebApp	www.schoolinventorymanag	School inventory management	School inventory management	yes	yes		
	ement.com	landing page	landing/welcome page				
Student enter incorrect Username/password	username: false	Username or password	login Unsuccessfull	yes	yes		
& press log in	password : false	incorrect, try again or Sign Up					
Staff enter incorrect Username/password &	usemame: false	Username or password	login Unsuccessfull	yes	yes		
press log in	password : false	incorrect, try again or Sign Up					
Admin enter incorrect Username/password	username : false	Username or password	login Unsuccessfull	yes	yes		

per	Action		Inputs		Expected Outp	out	Actual Output		Test Browser	Test Result	Test Comments
1	Open Web	Арр	www.schoolinventorym	an agement.com		ory management	School inventory r	management	yes	yes	onimidito
					landing page		landing/welcome p			ľ	
2	Select Sig	nUp and fill in personal details	Name - TestName Surname - TestSurname Phone Number - 01234 Email - test@test.com Password - Test@123		User account i	s created, and the approval.	User account is cre account needs app		yes	yes	
3		ntact Us Button for additional n signing up	Clicking on "Contact us	button	Contact us pa	ge opens	Contact us page o	pens	yes	yes	
enario ID	SignUp		Test Case ID			Sig		SignUp-D			
se Description		negative Test Case	Test Priority						High		
uisite ecution Steps :	N/A		Post-Requisite						N/A		
per	Action		Inputs		Expected Outp	out	Actual Output		Test Browser	Test Result	Test Comments
1	Open Web	Арр	www.schoolinventorym	anagement.com		ory management	School inventory r	management	yes	yes	
2	Select Sig (invalid er	nUp and fill in personal details mail)	Name - TestName Surname - TestSurname Phone Number - 01234 Email - test!test.com Password - Test@123			in error message liid email format.	landing/welcome p User receives an er indicating invalid e	ror message	yes	yes	
3	Select Sig (invalid n	nUp and fill in personal details umber)	Name - TestName Surname - TestSurname Phone Number - 01234 Email – test@test.com Password – Test@124	5678		n error message lid phone number e 10 numbers	User receives an er indicating invalid p format. Must be at numbers	hone number	yes	yes	
4	Select Sig (invalid pa	nUp and fill in personal details assword)	Name - TestName Surname - TestSurname Phone Number - 01234 Email – test!test.com Password – Test		indicating pas Must include n	n error message sword is not secure. umbers, capital pecial character	User receives an er indicating passwo secure. Too comm	rd is not	yes	yes	
iest Case Descrip	Juon	AUTHIT POSITIVE TEST Gase		Test Priority					піді		<u> </u>
Pre-Requisite Test Execution St	one t	N/A		Post-Requisit	te				N/A		
S. Number	eps.	Action		Inputs		Expected Output		Actual Outp	ut Test Brov	vser Test Resul	t Test Commen
	1	Admin Login		Username - A	Admin1	Access granted		Access gran		yes	
	2	Add equipment		Password - A Add new equ		Equipment shows other users	s in the list to	Equipment shows in the to other use	20,500.00	yes	
	3	Approve sign up		User sign up i approved	request	User account is a premissions are g to staff/student p	iven according	User account activated art premissions given accord to staff/stude policy	are ding	yes	
	4	Generate reports		Admin writes a report, gen- inventory sta- equipment u- and warranty	tus report, sage report	Reports must be shown on the sys		n/a			
	5	Approve equipment book	ring	Admin appro equipment	ves user	Equipment is give shown on record	n to user and	Equipment i		yes	
	6	Remove equipment		Admin remov equipment	ves existing	Equipment remov	ved from the list	Equipment removed fro the list	m yes	yes	
	7	Update Existing product of	detaits	Admin naviga product man and changes count to 20.	agement	Equipment to sho 20.	w item count of	Equipment to show item count of 20.		yes	
	8	Update user account det	tails	Admin naviga account deta inputs an exis then changes type to Admin	ails and sting user ID, s account	Given user accou into an admin role administrative lev	e and is given	Given user account is updated into admin role a is given administrati level access	and ve	yes	
	9	Remove user account		Admin naviga management remove user Inputs an exist and presses to remove accompany	t and selects account. sting user ID button to	Given user accou the system.	nt is deletd from	Given user account is deletd from system.	yes the	yes	

Test Scenario ID		ViewEquipment		Test Case ID					Admin-J				
Test Case Descript	tion	Admin Negative Test Case		Test Priority					High				
Pre-Requisite		N/A		Post-Requisite					N/A				
Test Execution Ste	eps:												
S.Number		Action		Inputs		Expected Output		Actual Output	Test Browser	Test Result	Test Commen		
	1	Admin Login (wrong details)		Invalid details		Error message, no ac	cess	Error message, no access	yes	yes			
	2	Add equipment(missing type)		Equipment deta correctly filled in		Error message, lettin know whats missing	gadmin	n/a	no	no			
	3	Approve sign up(approve nonexistent	sign up)	Admin attempts approve sign up not exist		Sign up must not sho list	w up in the	Sign up must not show up in the list	yes	yes			
	4	Approve equipment booking (staff eq given to student)	uipment	Admin approves equipment for a		Error message, not a admin to grant acces	-	n/a	no	no			
5 Remove equipment(equipment that of exist)		does not	loes not Admin attempts to		Admin attempts to Equation remove nonexisting	Equipment not in the	list	Equipment not in the list	yes	yes			
	6	Remove user account (invalid ID)		Admin inputs an of a nonexistent		Error message, letting know account with so not exist							
						THO CARDO		n/a	no	no			
Number	Act		Inputs										
Number Action 1 Interface interaction			Expected (Actual Output		Test Browse		Test Comment				
	1 Inte			racts with the		action brings them to		ion brings them to	Test Browse yes	r Test Result yes	Test Comment		
			User inter interface	racts with the	User intera	action brings them to	User interact	ion brings them to			Test Comment		
	2 Pas	erface interaction	User inter interface User enter User enter	racts with the ers password	User intera chosen loc	action brings them to	User interacti chosen locati	ion brings them to	yes	yes	Test Comment		
	2 Pas 3 Mis	erface interaction ssword covered	User inter interface User enter User enter informati	ers password ers missing on into sign up ut of code	User intera chosen loc	action brings them to cation d red whats missing	User interacti chosen locati	on brings them to on ed whats missing	yes yes	yes	Test Comment		
	2 Pas 3 Mis 4 Ou	erface interaction ssword covered ssing information is shown	User interinterface User enterinformati Locate ou equipment User list of	ers password ers missing on into sign up ut of code nt	User interachosen loc ******* Highlighte Highlighte	action brings them to cation d red whats missing d red	User interacti chosen locati ******* Highlighted re	on brings them to on ed whats missing	yes yes yes	yes yes yes	Test Comment		
	2 Pas 3 Mis 4 Ou 5 Da	erface interaction ssword covered ssing information is shown t of code equipment is highlighted	User inter interface User ente User ente informati Locate ou equipmer User list of booked, le date	racts with the ers password ers missing on into sign up ut of code nt of equipment	User interachosen loc ******* Highlighte Highlighte Highlighte	action brings them to action d red whats missing d red d orange	User interacti chosen locati ******** Highlighted re	on brings them to on ed whats missing	yes yes yes	yes yes yes	Test Comment		
	2 Pas 3 Mis 4 Ou 5 Da 6 Ent	erface interaction ssword covered ssing information is shown t of code equipment is highlighted te close to return deadline highlighted	User interiored interface User enteriored informati Locate ou equipmer User list of booked, ledate Press but	racts with the ers password ers missing on into sign up ut of code nt of equipment ocate close to end	User interachosen loc ******* Highlighte Highlighte Highlighte	action brings them to action d red whats missing d red d orange	User interactichosen locati ******** Highlighted re Highlighted re	on brings them to on ed whats missing	yes yes yes yes no	yes yes yes yes	Test Comment		
	2 Pas 3 Mis 4 Ou 5 Da 6 Enl 7 Ma	erface interaction ssword covered ssing information is shown t of code equipment is highlighted te close to return deadline highlighted arge text	User interface User enter User enter informati Locate ou equipmer User list of booked, li date Press but smaller Student a	racts with the ers password rs missing on into sign up at of code at of equipment ocate close to end ton to enlarge text ton to make text	User interachosen loc Highlighte Highlighte Highlighte Text enlarg	action brings them to action d red whats missing d red d orange	User interactichosen locati Highlighted re Highlighted re n/a	on brings them to on ed whats missing	yes yes yes yes no	yes yes yes yes no	Test Commen		

	ViewEquipment	Test Case ID Test Priority			ViewEquipment-E			
st Case Description	ViewEquipment List Positive Test Case	Test Priority			High			
e-Requisite	N/A	Post-Requisite			N/A			
t Execution Steps:								
lumber	Action	Inputs	Expected Output	Actual Output	Test Browser	Test Result	Test Comments	
	1 Log in, navigate to equipment list	Open Product page and navigate	Product page opens and list of	Product page opens and list of	yes	yes		
		through equipment list.	equipment is displayed	equipment is displayed				
	2 Log in, search for equipment in the list	User enters Laptop into search option	All laptops products are displayed	All laptops products are	yes	yes		
				displayed	/	/		
	3 Log in, filter equipment by various criteria	Hearfilton by graitability	All qualishis equipment is chaum	 	1400	WAR .		
,	o Log in, litter equipment by various criteria	User filters by availability	All available equipment is shown	All available equipment is	yes	yes		
				shown				
	Log in, sort equipment by predefined fields	User selects Onsite in sorting field	Only onsite products are displayed	,	yes	yes		
				displayed				
	5 Open product details	User selects a product and clicks on it	Product details page successfully	Product details page	yes	yes		
		to open a page.	opens	successfully opens				
st Scenario ID	ViewEquipment	Test Case ID			ViewEquipment-F			
st Case Description	ViewEquipment List Negativbe Test Case	Test Priority			High			
-Requisite	N/A	Post-Requisite			N/A			
t Execution Steps:								
lumber	Action	Inputs	Expected Output	Actual Output	Test Browser	Test Result	Test Comments	
	Log in, search equipment that isnt on the list	Navigate to equipment list and enter	Nothing is displayed	Nothing is displayed	yes	yes		
		dog				ĺ		
	2 Equipment declined to student		Item is not selected	n/a	no	no	Not Implement	
	Equipment decimed to student		nom a not accoudu	11/4	110	110	Not implement	
		staff only						
	Onsite product is booked for more than a day	User tries booking an onsite product	Booking unsuccessful message		no	no	Not Implement	
		from 10/03 to 14/03	shows that product is oniste and					
			can only be booked for a day and					
			used onsite.	n/a				
Norther	Astion	la suta			Total Browner	Took Doords	Total Community	
Number	Action	Inputs	Expected Output	Actual Output	Test Browser	Test Result	Test Comments	
	1 Book Equipment	User books available equipment, Selecting a laptop for 1 month	Booking is processed and status of approval is visible	User can choose product to add to cart and choose the	Yes	Yes		
		Selecting a taptop for 1 month	with a description of the	date of return when booking.				
			booking showing the product	Booking is then processed and				
			and date of return	a message poppes up				
			and date of return	notifying the user of status of				
				approval.				
	Get Overdue Alerts	Equipment return date has gone past	Alert should be sent to the	Alerts are sent in a red font	Yes	Yes		
		the return date	user	inside bookings history				
	3 Booking History Tracking	User visits previous bookings	All past bookings are shown	All past bookings are shown	Yes	Yes	_	
,	4 Booking a previous booking	User books a previous booking from	Booking is processed	User can book previous				
		history bookings page	successfully without more inputs from user	booking, needs to add a new return date				
	S Constitution of the booking	Harris har kings and and	-		Yes	Yes		
	5 Cancelling an existing booking	User opens bookings page and	Booking is cancelled	Only admin can cancel/delete				
		navigates to cancel booking. Inputs	successfully with a	booking				
		booking ID and selects cancel booking button	commination page snowing				Part was not	
		batton			no	no	implemented	
et Coon ario ID	ViewEquipment	Tast Casa ID			Decemention II			
	ViewEquipment Reservation Negative Test Case	Test Case ID Test Priority			Reservation-H			
st Case Description	Reservation Negative Test Case	Test Priority			High			
st Case Description e-Requisite								
st Case Description e-Requisite st Execution Steps :	Reservation Negative Test Case	Test Priority	Expected Output	Actual Output	High	Test Result	Test Comments	
st Case Description e-Requisite st Execution Steps :	Reservation Negative Test Case N/A	Test Priority Post-Requisite		Actual Output Student is declined	High N/A	Test Result	Test Comments	
st Case Description e-Requisite st Execution Steps :	Reservation Negative Test Case N/A Action	Test Priority Post-Requisite Inputs			High N/A Test Browser		Test Comments	
st Case Description e-Requisite st Execution Steps :	Reservation Negative Test Case N/A Action	Test Priority Post-Requisite Inputs Student attempts to book unauthoriset	Student is declined	Student is declined	High N/A Test Browser		Test Comments	
st Case Description e-Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action	Test Priority Post-Requisite Inputs Student attempts to book unauthoriset	Student is declined automatically, message must be shown	Student is declined automatically, message must be shown	High N/A Test Browser		Test Comments	
st Case Description e-Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action Booking unavailable equipment	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment	Student is declined automatically, message must	Student is declined automatically, message must	High N/A Test Browser yes	yes	Test Comments	
st Case Description -Requisite st Execution Steps:	Reservation Negative Test Case N/A Action Booking unavailable equipment	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment User books an item that is booked by	d Student is declined automatically, message must be shown Booking is declined, message	Student is declined automatically, message must be shown Booking is declined, message	High N/A Test Browser yes	yes	Test Comments	
st Case Description - Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action Booking unavailable equipment Booking out of stock item	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment User books an item that is booked by other users	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up	High N/A Test Browser yes	yes	Test Comments	
st Case Description -Requisite st Execution Steps:	Reservation Negative Test Case N/A Action Booking unavailable equipment	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment User books an item that is booked by	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings	High N/A Test Browser yes	yes	Test Comments	
st Case Description -Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action Booking unavailable equipment Booking out of stock item Receive overdue equipment alerts	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment User books an item that is booked by other users Return date hasn't been passed for item	d Student is declined automatically, message must be shown Booking is declined, message explaining why shows up No alert is shown	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings history	High N/A Test Browser yes yes yes	yes yes	Test Comments	
st Case Description e-Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action Booking unavailable equipment Booking out of stock item	Test Priority Post-Requisite Inputs Student attempts to book unauthorised equipment User books an item that is booked by other users	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up No alert is shown A message must show up no	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings history A message displayed for no	High N/A Test Browser yes	yes	Test Comments	
:	Reservation Negative Test Case N/A Action 1 Booking unavailable equipment 2 Booking out of stock item 3 Receive overdue equipment alerts 4 View empty history	Test Priority Post-Requisite Inputs Student attempts to book unauthorises equipment User books an item that is booked by other users Return date hasn't been passed for item User with no past bookings checks history	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up No alert is shown A message must show up no bookings were recorded	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings history A message displayed for no previous bookings made	High N/A Test Browser yes yes yes	yes yes	Test Comments	
st Case Description e-Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action Booking unavailable equipment Booking out of stock item Receive overdue equipment alerts	Test Priority Post-Requisite Inputs Student attempts to book unauthorises equipment User books an item that is booked by other users Return date hasn't been passed for item User with no past bookings checks history User attempts to cancel a booking with	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up No alert is shown A message must show up no bookings were recorded	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings history A message displayed for no previous bookings made Only admin can cancel/delete	High N/A Test Browser yes yes yes	yes yes		
st Case Description e-Requisite st Execution Steps : Number	Reservation Negative Test Case N/A Action 1 Booking unavailable equipment 2 Booking out of stock item 3 Receive overdue equipment alerts 4 View empty history	Test Priority Post-Requisite Inputs Student attempts to book unauthorises equipment User books an item that is booked by other users Return date hasn't been passed for item User with no past bookings checks history	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up No alert is shown A message must show up no bookings were recorded A message displays saying	Student is declined automatically, message must be shown Booking is declined, message explaining why shows up Alert shown inside bookings history A message displayed for no previous bookings made	High N/A Test Browser yes yes yes	yes yes	Test Comments Part was not implemented	

5. Professional conduct - Communication (10 marks)

5.1 Seeking and using feedback

Guidance: List here, in a table, constructive feedback you have received from your team-mates, industry mentors and your tutor on your work and how you used it.

Feedback: Be descriptive and specific – but do not use quotations

Date Received: when was the feedback given

Source: Who gave you the feedback

How you used it: How did it inform your actions/changes

Feedback	Date received	Source	How you used it
Change the colour when approved to green.	30/04/20 24	Pavel	Done as requested, and it looked better.
Make the backend part for the user when choosing dates for the booking, also make them be disabled, the buttons when quantity of the product is out of stock.	01/04/20 24	Pavel	We had a meeting, since was near the submission date I was not sure I will be able to implement it at first but manage to do it and it was a consistent and good feedback.
When user tries to log in in the admin panel, it should show a message in red that invalid credentials or not authorised	27/04/20 24	Pavel	Asked to help me style it and added the feature. It provides guiding for student.
Improve Admin panel styling	30 april	Velislav	The panel was indeed a bit too basic, and it looked better after
Improve admin panel for user	26 april	Velislav	Due to high number of users admin should be able to filter, sort.
Booking history looks good maybe just add some spacing around start date, and end date to visualize them better	28/04/20 24	Ahsan	Was a change for matters of seconds and it made easier to visualize for the user
Maybe the messages it would be better to see them in the footer of the page which would be fixed	29/04/20 24	Ahsan	The change included just simple positioning and guides the user if was successful change or request or not.
If there is a way you can. Change from CustomUser in admin to Users	22/04/20 24	Mehedi	Added a Metta class in the model.py in the authentication and changed it accordingly

The admin page look	01/04/20	Mehedi	Imported jazmin for enhanced
great .	24		look in admin panel which team
			members liked it.
	•	•	

Giving constructive feedback 5.2

Guidance: List here, in a table, the CONSTRUCTIVE feedback you have given to your

team-mates and what was the problem you were trying to solve.

Feedback: **Be descriptive and specific** – but do not use quotations. Evidence of this

should also be in the group's Trello or other tool used by the group

Date Given: when was the feedback given Source: To whom did you give the feedback

The problem you were trying to solve: What did you see as the issue?

Feedback	Date	Given	The problem you were trying to
	given	to	solve
The positioning of the	26/04/20	Pavel	Positionings of the side buttons
input type date should	24		on the bookings page.
be displayed in block.			
Create a function in the	29/04/20	Pavel	To create a function for the
view for request booking	24		button in the form in the
button in the bookings			bookings page.
page.			a commercial page.
Adjust the product card	25/04/20	Pavel	Positioning and styling in the
class in the product page	24	lavei	Product Page.
to fit better in the			Troductruge.
container div and			
position to right the			
apply filter button.			
Adjust in admin such	26/04/20	Velislav	The product should not be held
that if rejects a booking,	24		after admin rejects. Should be
the quantity gets added			available again if not else.
back			
Make the filtering and	289/04/2	Velislav	Filtering and Sorting should be
sorting functional in	024		functional in the bookings
bookings history			history page such that user can
Jeen ge meer y			filter and sort by different
			attributes.
Add more products in	02/04/20	Ahsan	Few products added initially to
the database and	24		database only for testing
relevant pictures to the			purposes, needed to be added
products.			the full list.
Improve styling in the	28/04/20	Ahsan	Styling after some more page
sidebar, also make it	24	7113011	links were added to the sidebar.
start from the nav bar	27		miks were duded to the sidebar.
Contact Us page should	29/04/20	Mehedi	To follow up with mock-ups
have a side bar as well	29/04/20	iviciicul	design and for user to be able to
nave a side bai as Well	24		switch again to products page.
The picture in the side	30/04/20	Mehedi	switch again to products page.
· ·		ivielleul	The page links were pushed
bar, has height too big	24		The page links were pushed
correct it such it doesn't			down because of the picture's
push the links to bottom			height.
•			