

Assignment Cover Sheet

Student name:	Adarsh Pandit							
Student number:	3134329	_						
Faculty:	Computing Science	_						
Course:	BSc Computing (Honours)	Stage/year:	2 nd					
Subject:	Server-Side Web Development							
Study Mode:	Full time	Part-time						
Lecturer Name:	Ellen Hickey							
Assignment Title:	Server-Side Web Development-2							
No. of pages:	12	_						
Disk included?	Yes	No						
Additional Information:	(ie. number of pieces submitted, size of assignment, A2, A3 etc)							
Date due:	2 nd May, 2025	_						
Date submitted:	2 nd May, 2025	_						
Plagiarism disclaimer:								
plagiarism. I also understand sources which have been use	is a serious offence and have re that I may receive a mark of zero if ed, referred to, or have in any way int others to plagiarise my work in this w	I have not identific fluenced the prepa	ed and properly attributed					
have acknowledged all mater	nnment is my own work, based on my ial and sources used in its preparatio assessment and that I have not copiding other students.	n. I also certify the	at the assignment has not					
Signed: Adarsh Pan		2 nd May, 20						

<u>Please note:</u> Students **MUST** retain a hard / soft copy of **ALL** assignments as well as a receipt issued and signed by a member of Faculty as proof of submission.

Homepage

Household Appliance Inventory

Welcome to the Appliance Management System. Use the buttons below to navigate through the app.

Add Appliance

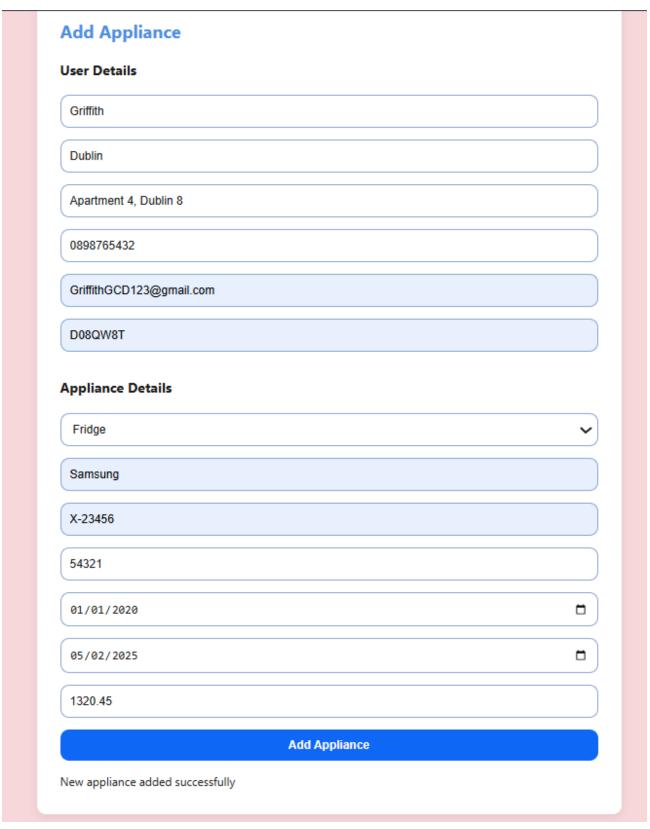
Update Appliance

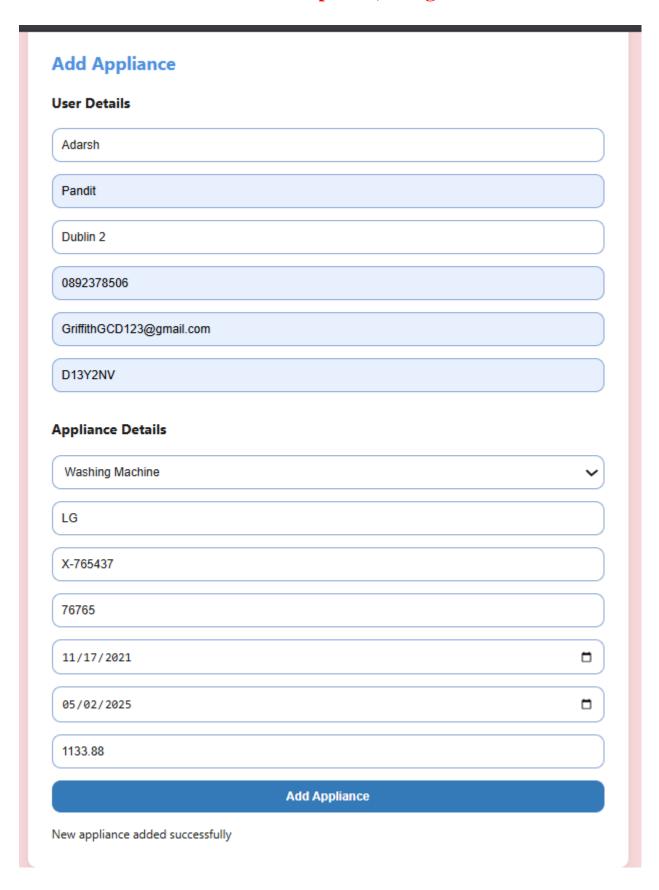
Delete Appliance

Search Appliance

View All Appliances

> Adding Appliances





• Terminal message on adding appliances

```
GET /add 200 in 257ms

√ Compiled /api/add-appliance in 208ms (108 modules)
--- New Appliance Submitted ---
 firstName: 'Griffith',
 lastName: 'Dublin',
 address: 'Apartment 4, Dublin 8',
 mobile: '0898765432',
 email: 'GriffithGCD123@gmail.com',
 eircode: 'D08QW8T',
 applianceType: 'Fridge',
 brand: 'Samsung',
 modelNumber: 'X-23456',
 serialNumber: '54321',
 purchaseDate: '2020-01-01',
 warrantyDate: '2025-05-02',
 cost: '1320.45'
```

```
✓ Compiled /api/add-appliance in 247ms (108 modules)

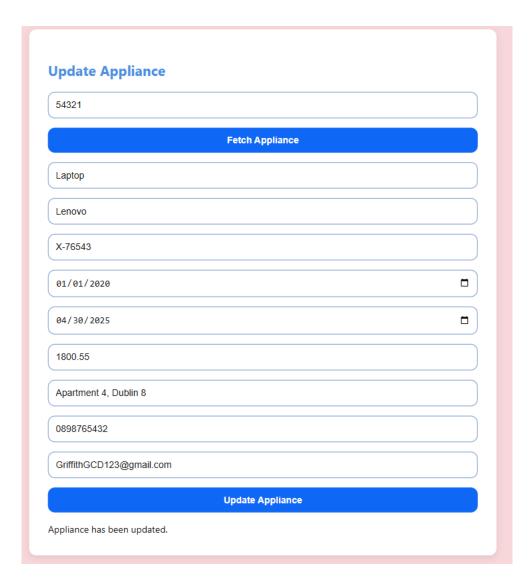
--- New Appliance Submitted ---
{
    firstName: 'Adarsh',
    lastName: 'Pandit',
    address: 'Dublin 2',
    mobile: '0892378506',
    email: 'GriffithGCD123@gmail.com',
    eircode: 'D13Y2NV',
    applianceType: 'Washing Machine',
    brand: 'LG',
    modelNumber: 'X-765437',
    serialNumber: '76765',
    purchaseDate: '2021-11-17',
    warrantyDate: '2025-05-02',
    cost: '1133.88'
}
```

• SQL command to show added appliances

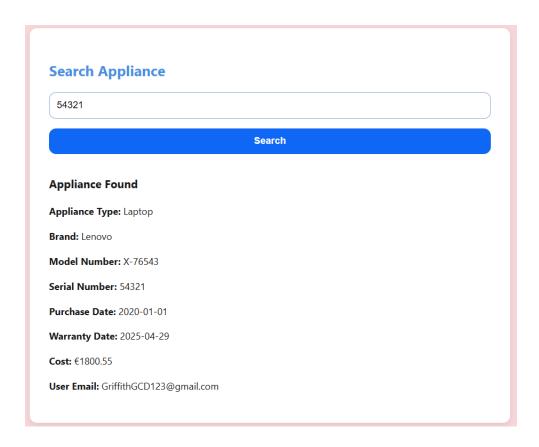




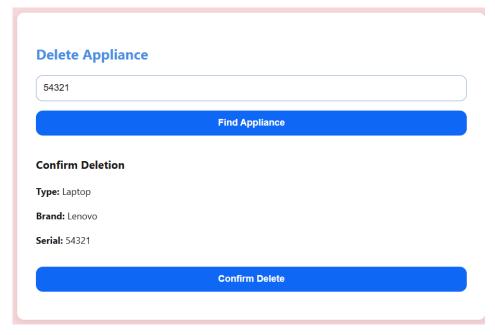
Updating appliances from Fridge to Laptop



> Searching updated appliances with their assigned serial number



> Deleting newly updated Appliance "Laptop", it also prompts for confirming to delete it



> Appliance deleted successfully

Delete Appliance

Appliance deleted successfully.

Return Home

➤ Viewing appliance with serial number "76765", and then updating it to washer with same serial number and making sure that unique identifiers like "Phone number", "Name" and "E-mail" are not allowed to be updated.

All Appliances

User: Griffith Dublin

Type: Washing Machine

Brand: LG

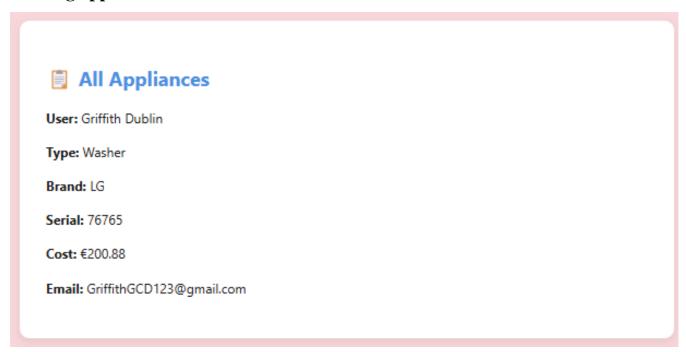
Serial: 76765

Cost: €1133.88

Email: GriffithGCD123@gmail.com

76765	
Fetch Appliance	
Washer	
LG	
X-78954	
11/17/2021	
05/01/2025	
200.88	
Apartment 4, Dublin 8	
0898765432	
GriffithGCD123@gmail.com	
Update Appliance	

> Viewing appliances



> Checking on SQL to confirm just washer is in the system

MariaDB [household_inventory]> SELECT * FROM Appliance;\										
ApplianceID	UserID	ApplianceType	Brand	ModelNumber	SerialNumber	PurchaseDate	WarrantyExpirationDate	Cost		
3	2	Washer	LG	X-78954	76765	 2021–11–17	 2025–05–01	200.88		
l row in set (0.001 sec)										