



GRIFFITH COLLEGE DUBLIN

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:	<input checked="" type="checkbox"/> Full time	<input type="checkbox"/> Part-time	
Lecturer Name:	Ellen Hickey		
Assignment Title:	Server-Side Web Development-2		
No. of pages:	12		
Disk included?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Additional Information:	(ie. number of pieces submitted, size of assignment, A2, A3 etc)		
<hr/>			
<hr/>			
Date due:	2 nd May, 2025		
Date submitted:	2 nd May, 2025		

Plagiarism disclaimer:

I understand that plagiarism is a serious offence and have read and understood the college policy on plagiarism. I also understand that I may receive a mark of zero if I have not identified and properly attributed sources which have been used, referred to, or have in any way influenced the preparation of this assignment, or if I have knowingly allowed others to plagiarise my work in this way.

I hereby certify that this assignment is my own work, based on my personal study and/or research, and that I have acknowledged all material and sources used in its preparation. I also certify that the assignment has not previously been submitted for assessment and that I have not copied in part or whole or otherwise plagiarised the work of anyone else, including other students.

Signed: Adarsh Pandit

Date: 2nd May, 2025

Please note: 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.

Server-Side Web Development, Assignment -2

- 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

Server-Side Web Development, Assignment -2

➤ Adding Appliances

Add Appliance

User Details

Griffith

Dublin

Apartment 4, Dublin 8

0898765432

GriffithGCD123@gmail.com

D08QW8T

Appliance Details

Fridge

Samsung

X-23456

54321

01/01/2020

05/02/2025

1320.45

Add Appliance

New appliance added successfully

Server-Side Web Development, Assignment -2

Add Appliance

User Details

Appliance Details



Add Appliance

New appliance added successfully

Server-Side Web Development, Assignment -2

- 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'
}
```

Server-Side Web Development, Assignment -2

- SQL command to show added appliances

```
MariaDB [household_inventory]> SELECT * FROM Appliance;
```

ApplianceID	UserID	ApplianceType	Brand	ModelNumber	SerialNumber	PurchaseDate	WarrantyExpirationDate	Cost
2	2	Fridge	Samsung	X-23456	54321	2020-01-01	2025-05-02	1320.45

1 row in set (0.002 sec)

```
MariaDB [household_inventory]> SELECT * FROM Appliance;
```

ApplianceID	UserID	ApplianceType	Brand	ModelNumber	SerialNumber	PurchaseDate	WarrantyExpirationDate	Cost
2	2	Laptop	Lenovo	X-76543	54321	2020-01-01	2025-04-30	1800.55
3	2	Washing Machine	LG	X-765437	76765	2021-11-17	2025-05-02	1133.88

2 rows in set (0.001 sec)

- Updating appliances from Fridge to Laptop

Update Appliance

Fetch Appliance

Update Appliance

Appliance has been updated.

Server-Side Web Development, Assignment -2

- Searching updated appliances with their assigned serial number

Search Appliance

Search

Appliance Found

Appliance Type: Laptop

Brand: Lenovo

Model Number: X-76543

Serial Number: 54321

Purchase Date: 2020-01-01

Warranty Date: 2025-04-29

Cost: €1800.55

User Email: GriffithGCD123@gmail.com

- Deleting newly updated Appliance “Laptop”, it also prompts for confirming to delete it

Delete Appliance

Find Appliance

Confirm Deletion

Type: Laptop

Brand: Lenovo

Serial: 54321

Confirm Delete

Server-Side Web Development, Assignment -2

- 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

Server-Side Web Development, Assignment -2

Update Appliance

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

Appliance has been updated.

Server-Side Web Development, Assignment -2

➤ Viewing appliances

 **All Appliances**

User: Griffith Dublin

Type: Washer

Brand: LG

Serial: 76765

Cost: €200.88

Email: GriffithGCD123@gmail.com

➤ 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

```
1 row in set (0.001 sec)
```