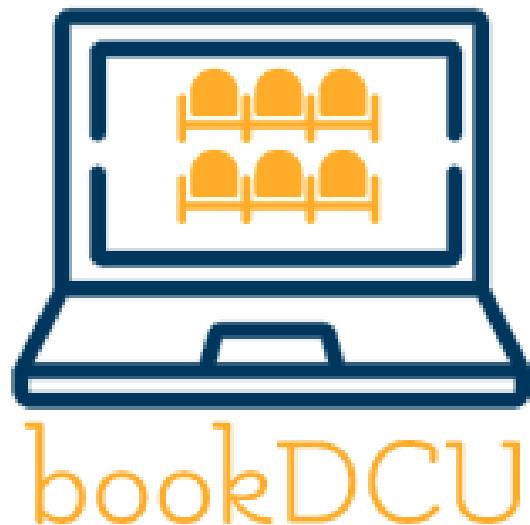


How to bookDCU - User Guide



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1. Overview

bookDCU is a web app designed to make your life easier when finding a place to work in DCU by simply making a seat reservation in a lab. It allows for students to login using their DCU credentials and make a booking.

The system is composed of a Django web app and makes use of Imgur API, goQR API and Google Cloud API.

2. What you will need:

- Mobile phone with a camera
- Mobile phone or computer with browser and internet connection
- DCU login credentials and Microsoft authenticator

3. How to book:

- Start the server using `python3 manage.py runserver 0.0.0.0:8000` and visit bookDCU by typing 127.0.0.1 into your browser's address bar.
- bookDCU is available at the following url <https://vanwykn2.pythonanywhere.com/>
 - All functionality is unfortunately not available at the hosted URL.

3.1 Log in



[Note to persons wishing to test bookDCU:]

If you are testing out bookDCU, it is necessary to use a mobile device with a camera to verify a booking. Because bookDCU is not yet hosted on a web sever, Login with Google will not function on a mobile device as it will try to redirect you to localhost. To mitigate this, we recommend that you do the following:

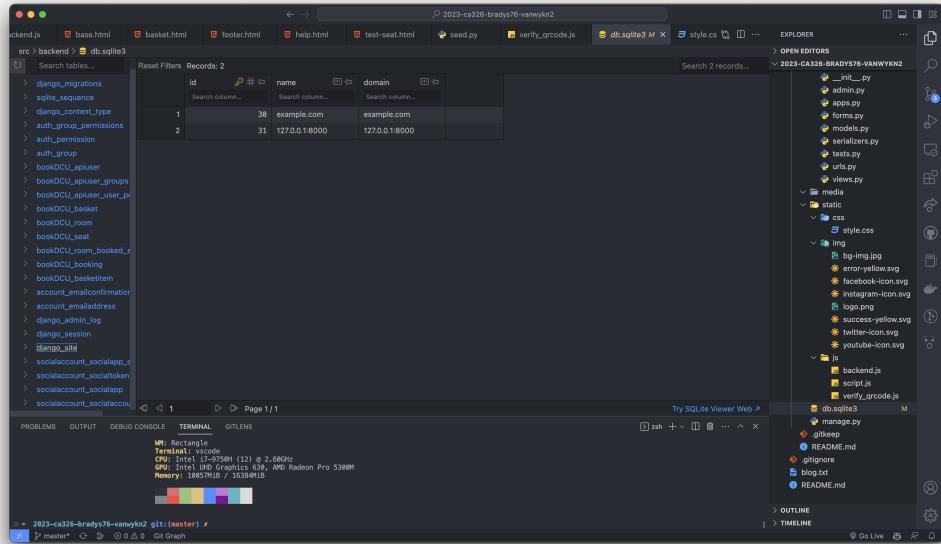
- If you want to create your test bookings on a PC or Mac, choose the “Local Login” option underneath the main “Login with DCU” button.
- With every fresh installation of bookDCU, a local account is automatically created when you run `python3 manage.py seed`. You should now use this to login on your PC or Mac. The details for this account are:
 - Username: TestAccount
 - Password: AppleTree
- If you wish to update the seed file with your own email address so you can receive emails about your booking, you should do so by:
 - Deleting the migrations directory in `src/backend/bookDCU/`
 - Deleting the `db.sqlite3` file in `src/backend/`
 - Editing the below line in
`src/backend/bookDCU/management/commands/seed.py` and replace the email address with your own

```
APIUser.objects.create_user('TestAccount','scottbradyapps@gmail.com','AppleTree')
```

- Running the following commands:
 - `python3 manage.py makemigrations bookDCU`
 - `python3 manage.py migrate`
 - `python3 manage.py seed`
- Once you have completed these steps you will have to update the SITE_ID in the `settings.py` file.
 - You will have to edit the below line

SITE_ID = 29

- You can find the new SITE_ID in the database by clicking on django_site.



- Before you can access bookDCU from your mobile device, it is necessary to add your PC or Mac's IP address to the `ALLOWED_HOSTS` list in `src/backend/backend/settings.py` as shown below:

```
ALLOWED_HOSTS = ["192.168.0.88", "127.0.0.1", "172.20.10.9", "192.168.0.6"]
```

- Now, you are able to access bookDCU as normal on your mobile device by typing your PC or Mac's IP address in your browser and appending `:8000` to the end of it, for example `192.168.0.6:8000`
- You should login with the same TestAccount credentials as you did on your Mac or PC.

Select your DCU account from the accounts menu enter your password and complete the 2FA in the Microsoft authenticator app.



Welcome to bookDCU

Please click below to login to bookDCU with
your DCU credentials.

[Login with DCU](#)

[Local Login](#)

Step 1: Login with DCU.



Sign in with Google

Choose an account

to continue to **bookDCU**



Nace Van Wyk

nace.vanwyk2@mail.dcu.ie



Nace Van Wyk

14-170@mounttemple.ie



Nacé van Wyk

nacevanwyk@gmail.com



Use another account

To continue, Google will share your name, email address, language preference, and profile picture with bookDCU.

English (United States) ▾

Help

Privacy

Terms

Step 2 - Select your account.

Dublin City University
Single Sign In

← nace.vanwyk2@mail.dcu.ie

Enter password

[Forgotten my password](#)

Sign in

Please log in with your DCU email address and password. Further information is available on the [DCU ISS website](#). If you can't log in, you can [notify ISS about your issue by clicking here](#).

Step 3 - Enter your password.

Dublin City University
Single Sign In

nace.vanwyk2@mail.dcu.ie

Approve sign-in request



Open your Authenticator app, and enter the number shown to sign in.

Verification
number

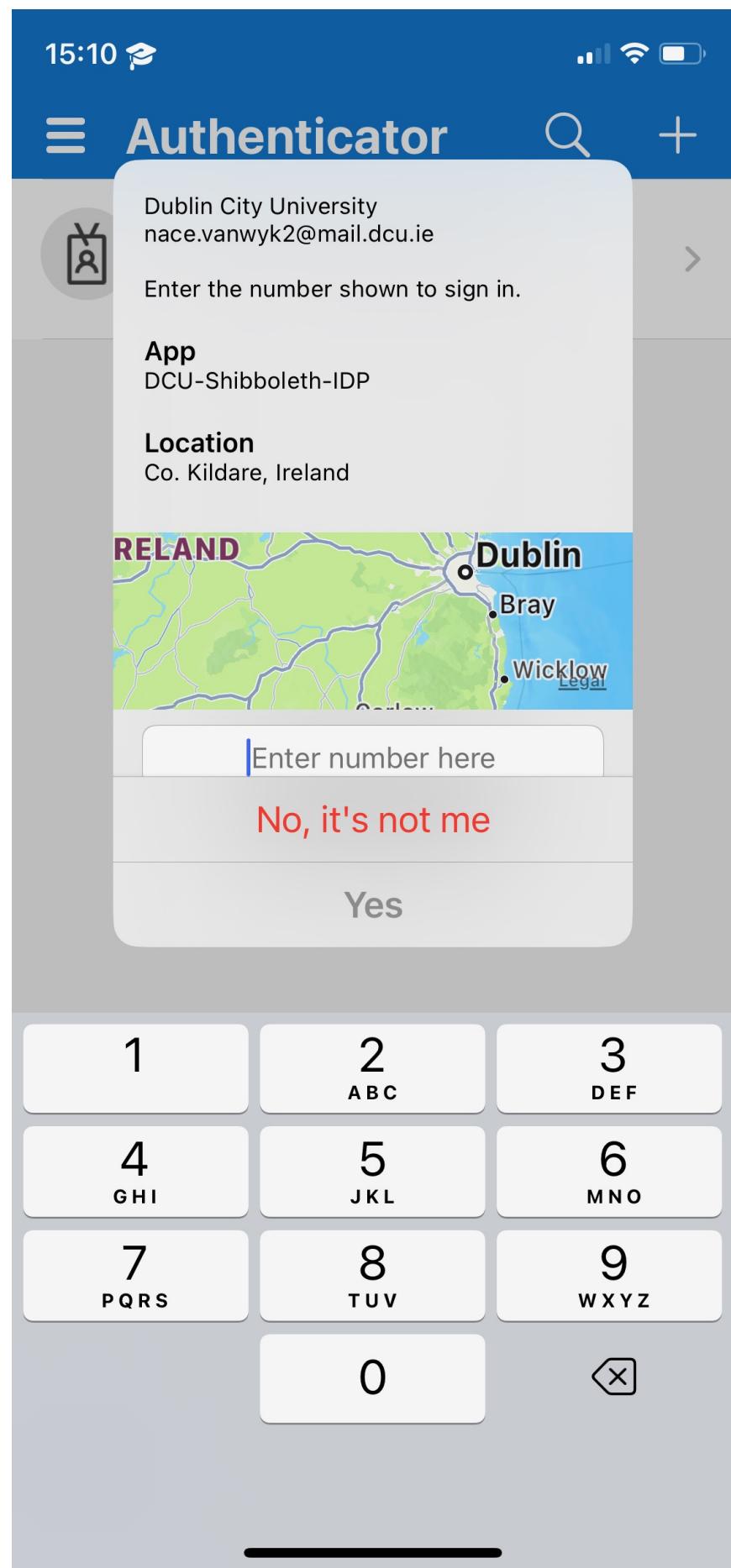
No numbers in your app? Make sure to upgrade to the latest version.

[More information](#)

[Cancel](#)

Please log in with your DCU email address and password. Further information is available on the [DCU ISS website](#). If you can't log in, you can [notify ISS about your issue by clicking here](#).

Step 4 - Get your verification number.



Step 5 - Enter your verification in the Microsoft authenticator app.

Note

If you are hosting bookDCU locally by running the server you will experience a series of redirects before successfully logging in due to the domain for the web application being localhost. The below screenshots will show how to navigate through these redirects.

- Steps 1-5 remain the same however once you have completed these you will be redirected through the following pages before reaching the home page.

Messages:

- Successfully signed in as nace.

Menu:

- [Sign In](#)
- [Sign Up](#)

Social Network Login Failure

An error occurred while attempting to login via your social network account.

Redirect 1 - Select Sign In as circled above.

Menu:

- [Sign In](#)
- [Sign Up](#)

Sign In

Please sign in with one of your existing third party accounts. Or, [sign up](#) for a 127.0.0.1:8000 account and sign in below:

- [Google](#)

or

Username:

Password:

Remember Me:

[Forgot Password?](#)

Redirect 2 - Select Google as circled above.

Menu:

- [Sign In](#)
- [Sign Up](#)

Sign In Via Google

You are about to sign in using a third party account from Google.

 Continue

Redirect 3 - Select continue as circled above.

 Sign in with Google

Choose an account

to continue to [bookDCU](#)



Nace Van Wyk
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nacevanwyk@gmail.com

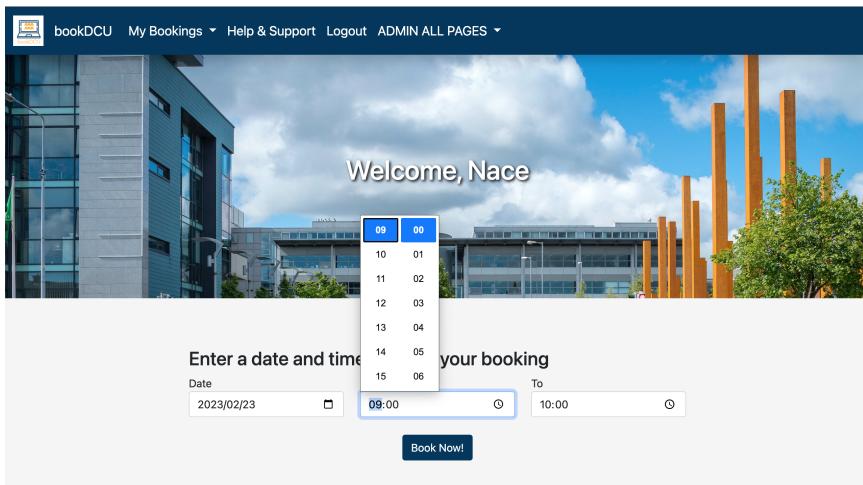


Use another account

To continue, Google will share your name, email address, language preference, and profile picture with bookDCU.

Redirect 4 - Finally select your DCU account again.

3.2 Choosing a Date & Times for Your Booking



Select your preferred date and times on the home page. You can either use the mouse and click on a date and time in the popup, or you can simply click on each field and use your keyboard to enter your date and times.

Enter a date and time to make your booking

Date	From	To
2023/02/24	09:00	10:00

Book Now!

To confirm your date selection press the Book Now button. This will take you to a screen where you will select a room and your seat.

3.3 Choosing Your Room & Seat

You can choose any available room from the dropdown. If you find that there are no available seats in one room, try another room.

The screenshot shows a booking interface for a room. At the top, there's a navigation bar with the bookDCU logo, 'My Bookings', 'Logout', and 'Help & Support'. Below the header, the title 'It's Time to Choose Your Seat' is displayed, followed by the date 'Friday, February 24 • 9 a.m. to 10 a.m.'. A dropdown menu labeled 'Select a Room:' shows 'L1.29'. A note states 'This room's capacity is 36.' and 'All rooms have a projector. Each seat has a PC and sockets for charging.' Below this, a legend indicates 'Available' (grey), 'Selected' (yellow), and 'Unavailable' (dark blue). The seating area is arranged in a grid labeled 'TOP OF ROOM' at the top. Seats are arranged in 6 columns and 6 rows. In the first column, the top seat is yellow ('Selected'). A 'Book This Seat' button is located at the bottom of the seating area.

You can choose which room you want to book by clicking on the dropdown next to 'Select a Room'.

You can click on any grey seat. It will turn yellow. If you have selected a seat and wish to select another, simply click on the new seat you would like to select.

This screenshot shows the same booking interface as the previous one, but with a different state. The 'Selected' seat (the top seat in the first column) is now grey ('Available'). The other seats remain grey ('Available'). The 'Book This Seat' button is still present at the bottom.

Click on any of the grey seats. Your seat will turn yellow and a 'Book This Seat' button will become clickable. Click on this and you will be taken to the next step.

3.4 Completing Your Booking

The screenshot shows a 'Confirm Booking' page. At the top, there's a navigation bar with icons for bookDCU, My Bookings, Help & Support, Logout, and ADMIN ALL PAGES. The main title 'Confirm Booking' is centered above a message: 'Please confirm your booking details below.' Below this is a 'Booking Details' box containing the following information:
Room L1.28 — Glasnevin Campus, McNulty Building
Start Time: Feb. 24, 2023, 9 a.m.
End Time: Feb. 24, 2023, 10 a.m.
Duration: 1 hour
Seat #: 1
A text input field shows 'Name: Nace Van Wyk' and a green 'Confirm Booking' button.

To complete you booking enter your name as it appears on your Google account and press the confirm booking button.

The screenshot shows a confirmation message. At the top, there's a navigation bar with icons for bookDCU, My Bookings, Help & Support, Logout, and ADMIN ALL PAGES. The main message is 'You're all set!' with a large orange checkmark icon. Below this, there are two lines of text: 'Don't forget to verify your booking when you arrive in the room!' and 'You can see all upcoming bookings by clicking the button below'. A dark blue 'View Upcoming Bookings' button is at the bottom.

Once your booking is successful you will see this screen.



feedback.scottbradyapps@gmail.com

to me ▾

10:36 (1 minute ago)



Dear Nace Van Wyk,

Your booking has been confirmed. Please find the details below

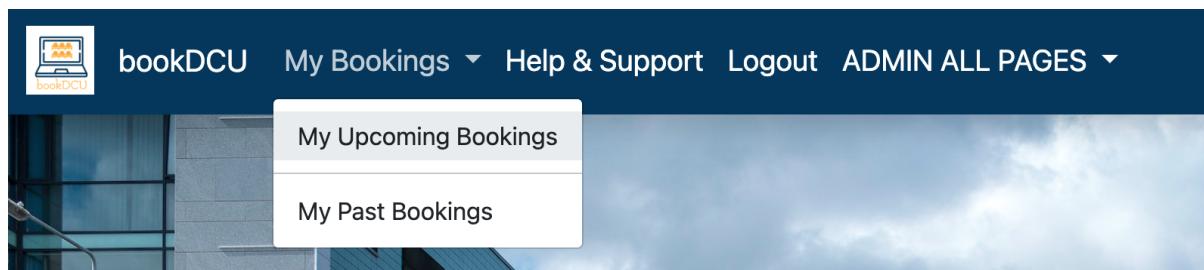
Please note that you must **verify** your booking when you turn up by logging into your account and selecting "Upcoming Bookings". Please tap the verify button and scan the QR code next to your seat.

- **Booking Reference:** 24
- **Starts:** Feb. 24, 2023, 9 a.m.
- **Ends:** Feb. 24, 2023, 10 a.m.
- **Booking Duration:** 1 hour
- **Room #:** L1.28 — McNulty Building, Glasnevin Campus
- **Seat #:** 1
- **Booking Status:** confirmed

...

You will also receive an email confirming your booking.

3.5 Viewing Your Upcoming Bookings



You can view your upcoming bookings by selecting "My Upcoming Bookings" under "My Bookings" in the nav-bar.



Upcoming Bookings

You have 3 upcoming bookings

The most recently-made booking is displayed last

Booking Reference: 20
Booked on Feb. 22, 2023, 10:26 a.m.
Room: L1.28
Seat #: 23
Start time: Dec. 22, 2023, 9 a.m.
End time: Dec. 22, 2023, 10 a.m.
Duration: 1 hour
Booking Not Verified

[Resend Confirmation Email](#)

[Cancel Booking](#)

Booking Reference: 21
Booked on Feb. 22, 2023, 10:27 a.m.
Room: L1.28
Seat #: 23
Start time: Jan. 22, 2024, 9 a.m.

On this page you will see all your upcoming bookings.

3.6 Viewing Your Past Bookings



[My Upcoming Bookings](#)

[My Past Bookings](#)

Upcoming Bookings

You can view your past bookings by selecting "My Past Bookings" under the "My Bookings" tab.

The screenshot shows the 'bookDCU' website interface. At the top, there is a dark blue header bar with the 'bookDCU' logo, 'My Bookings' dropdown menu, 'Logout', and 'Help & Support' links. Below the header, the main content area has a light gray background. The title 'Previous Bookings' is centered at the top of the content area. Below it, a message states 'You have 1 previous booking' and 'The most recently-made booking is displayed last'. A white rectangular box contains booking details: 'Booking Reference: 3', 'Booked on Feb. 23, 2023, 9:03 p.m.', 'Room: Laptop Bar', 'Seat #: 1', 'Start time: Feb. 23, 2023, 9:04 p.m.', 'End time: Feb. 23, 2023, 9:05 p.m.', and 'Duration: 1 minute'. At the bottom of the page, there is a dark blue footer bar with social media icons for Facebook, Twitter, Instagram, and YouTube, followed by the copyright notice 'Copyright © 2023 bookDCU - All Rights Reserved'.

Any bookings that have previously occurred will be listed here.

3.7 Resending Your Booking Confirmation Email

If you have lost your booking confirmation email and want to have it to hand, you can easily get another.

The screenshot shows the 'bookDCU' website's navigation bar. It includes the 'bookDCU' logo, 'My Bookings' dropdown menu, 'Help & Support', 'Logout', and 'ADMIN ALL PAGES' dropdown menu. The 'My Bookings' dropdown menu is open, revealing two options: 'My Upcoming Bookings' and 'My Past Bookings'. The background of the page features a photograph of a modern building with large windows and a blue sky with clouds.

Navigate to the upcoming bookings page by selecting "My Upcoming Bookings" under the "My Bookings" tab on the nav-bar.



Upcoming Bookings

You have 3 upcoming bookings

The most recently-made booking is displayed last

Booking Reference: 20
Booked on Feb. 22, 2023, 10:26 a.m.
Room: L1.28
Seat #: 23
Start time: Dec. 22, 2023, 9 a.m.
End time: Dec. 22, 2023, 10 a.m.
Duration: 1 hour
Booking Not Verified

[Resend Confirmation Email](#)

[Cancel Booking](#)

Booking Reference: 21
Booked on Feb. 22, 2023, 10:27 a.m.
Room: L1.28
Seat #: 23
Start time: Jan. 22, 2024, 9 a.m.

On this page you will see all your upcoming bookings.

Booking Reference: 25

Booked on Feb. 23, 2023, 11:37 a.m.

Room: L1.29

Seat #: 1

Start time: Feb. 24, 2023, 9 a.m.

End time: Feb. 24, 2023, 10 a.m.

Duration: 1 hour

Booking Not Verified

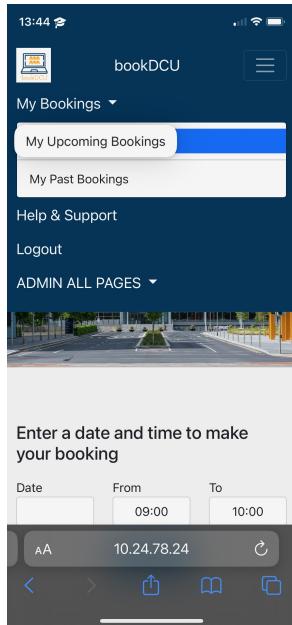
[Resend Confirmation Email](#)

[Cancel Booking](#)

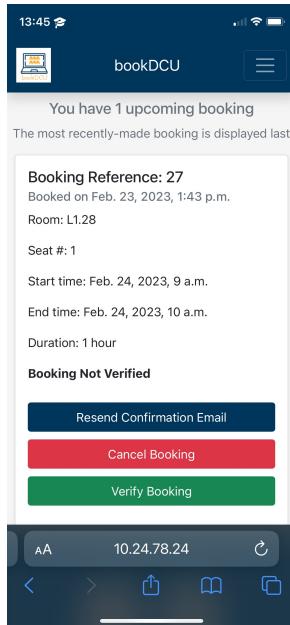
You can then press the "Resend confirmation Email" button to have them email re-sent.

3.5 Verifying Your Booking

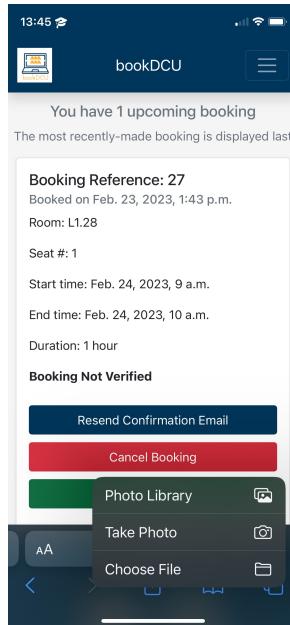
NOTE: This process has to be completed on your phone.



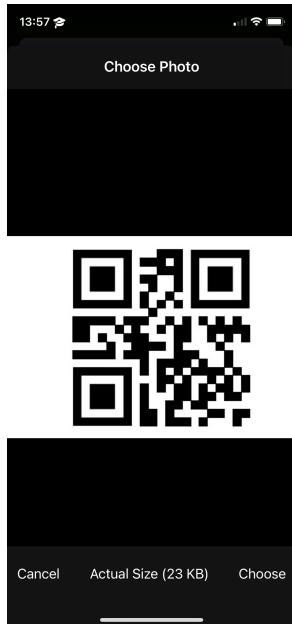
Navigate to the upcoming bookings page.



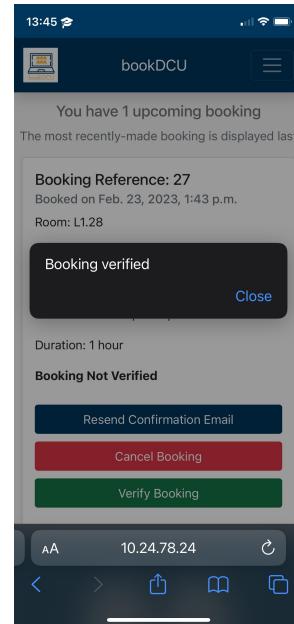
Select the booking you want to verify by clicking the verify button.



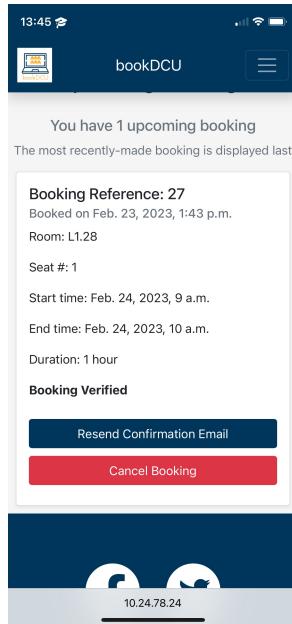
Then select to upload a photo or take a photo of the QR code



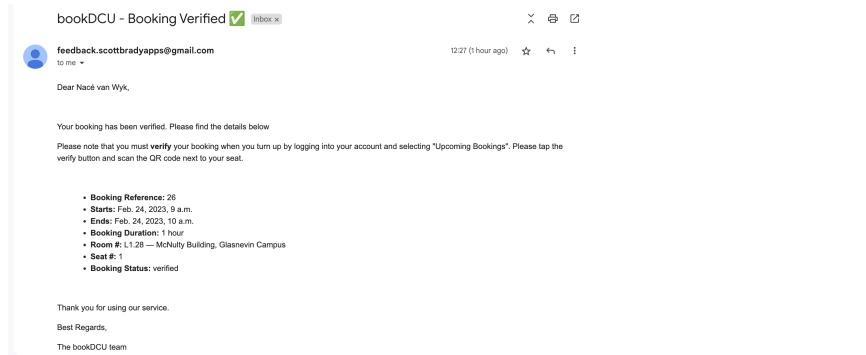
Upload the photo of the QR code next to your seat.



Once your booking is verified you can now close the notification.

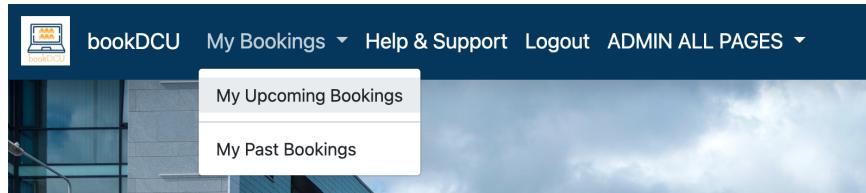


Your bookings status has now updated to verified.



You will also receive an email confirming your booking verification.

3.6 Cancelling Your booking



Navigate to the upcoming bookings page by selecting “My Upcoming Bookings” under the “My Bookings” tab on the nav-bar.

Booking Reference	Start Time	End Time	Room	Seat #	Status
20	Dec. 22, 2023, 9 a.m.	Dec. 22, 2023, 10 a.m.	L1.28	23	Booking Not Verified
21	Jan. 22, 2024, 9 a.m.		L1.28	23	

On this page you will see all your upcoming bookings.

Booking Reference: 25

Booked on Feb. 23, 2023, 11:37 a.m.

Room: L1.29

Seat #: 1

Start time: Feb. 24, 2023, 9 a.m.

End time: Feb. 24, 2023, 10 a.m.

Duration: 1 hour

Booking Not Verified

[Resend Confirmation Email](#)

[Cancel Booking](#)

To confirm the booking cancellation you can press the "Cancel Booking" button.

bookDCU - Booking Cancelled  External  Inbox



feedback.scottbradyapps@gmail.com
to me ▾

11:06 (0 minutes ago)   

Dear Nace Van Wyk,

Your booking has been cancelled. Please find the details below

Please note that you must **verify** your booking when you turn up by logging into your account and selecting "Upcoming Bookings". Please tap the verify button and scan the QR code next to your seat.

- **Booking Reference:** 24
- **Starts:** Feb. 24, 2023, 9 a.m.
- **Ends:** Feb. 24, 2023, 10 a.m.
- **Booking Duration:** 1 hour
- **Room #:** L1.28 — McNulty Building, Glasnevin Campus
- **Seat #:** 1
- **Booking Status:** cancelled

Thank you for using our service.

Best Regards,

The bookDCU team

You will receive an email confirming the booking cancellation.