



University of Wales Trinity Saint David
LCHS4002:Digital Skills and Research
Methods

Lecturer: Samuel Abah

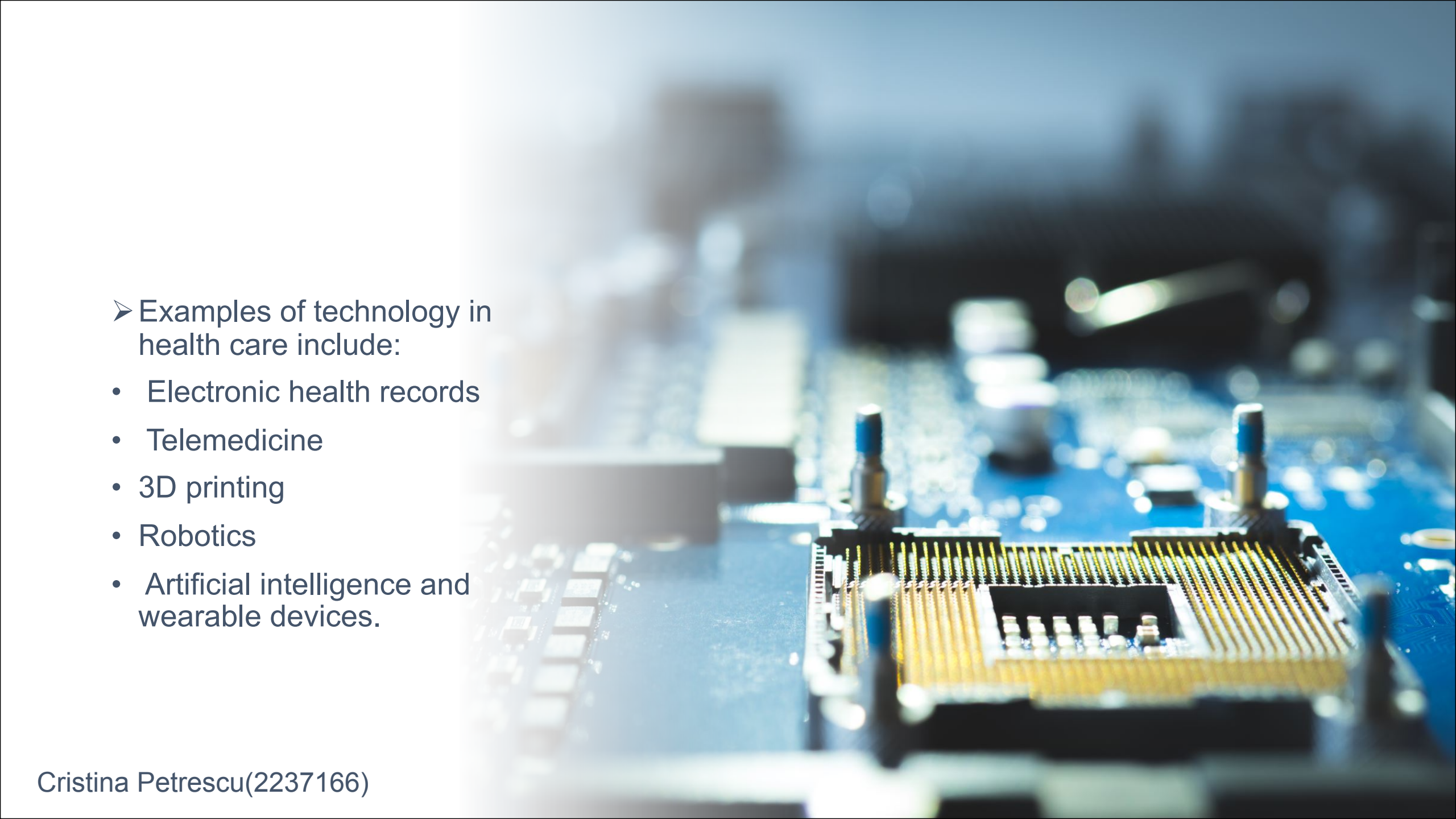
Student Name and ID numbers

- 1.Cristina Petrescu-2237166
2. Elizabeth Rausseo Rubio-2233997
- 3.Diana Magaly Rausseo Rubio-2234707

The innovation in health care system Introduction



- Technology is the use of knowledge and science to accomplish useful goals.(Goldschmidt,Peter G.,1978).
- Among the responsibilities of the healthcare system are the preservation of health and the prevention and treatment of disease.



➤ Examples of technology in health care include:

- Electronic health records
- Telemedicine
- 3D printing
- Robotics
- Artificial intelligence and wearable devices.

- Although we often think of technology in its most limited sense, it is more than just computers, information, and communication - technology is anything that helps us do what we want to do.

(Petrakadi,D.,Klecun,E.,&Cornford,T.,2016)

Healthcare technology can include the following:

- medical devices: MRI scan, Ultrasound scanner, PET and CT scanners, X-ray machines, pacemakers.
- biotechnologies, such as wound-healing products
- surgical procedures.



What to know about MRI scans ?

- MRI creates detailed images of the organs and tissues within the body by using a powerful magnetic field and radio waves.(Lam P.,2020)
- MRI techniques have been refined by doctors and researchers since their development to aid in medical treatments and research. The invention of MRI transformed medicine.(Lam P.,2020)

Tools and Platforms

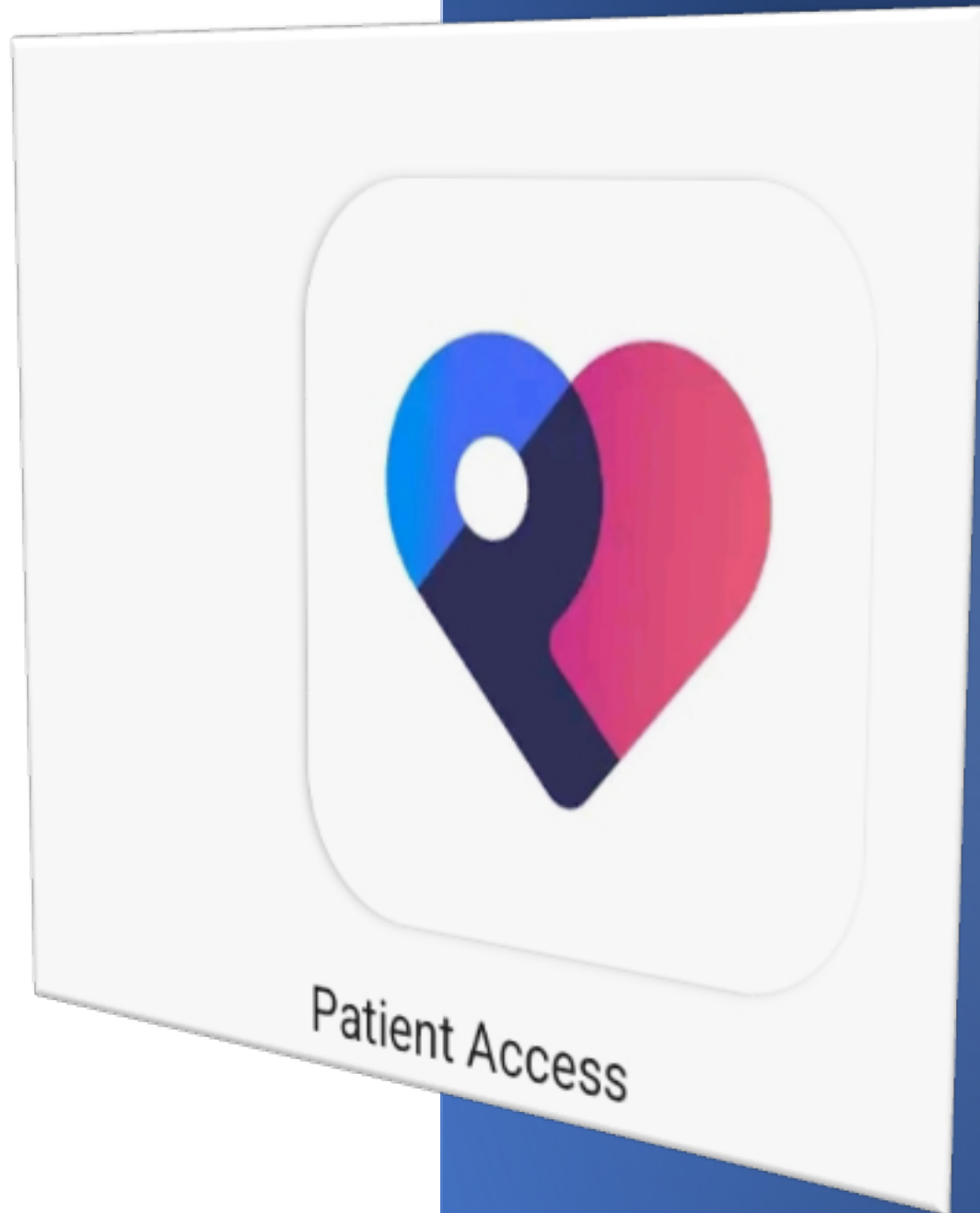
- Digital communication tools such as WhatsApp, Microsoft Teams, and Zoom have been used to organise service provision or manage staff rotas, which may be rapidly changing due to staff sickness or self-isolation during the Covid-19 period.(Klecun E. Madon S.,2020)



Tools and Platforms

- Social media platforms such as Facebook, Instagram, and Yahoo have created a space for doctors to share information, such as the use and availability of personal protective equipment (PPE) and self-isolation procedures in order to avoid spreading the infection and make effective the communication between health care professional and patient.(NHS England,2017).

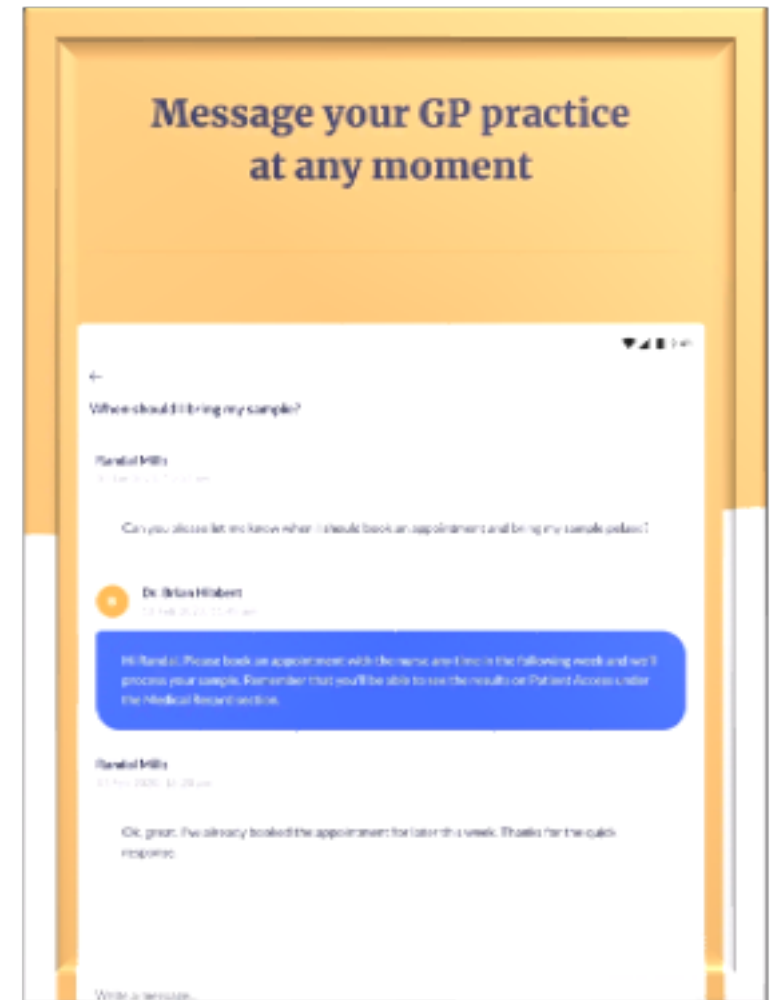




BY : ELIZABETH
RAUSSEO
2233997.

Is giving you the
chance to text
anytime ,avoiding
phone calls .

- ELIZABETH RAUSSEO
2233997

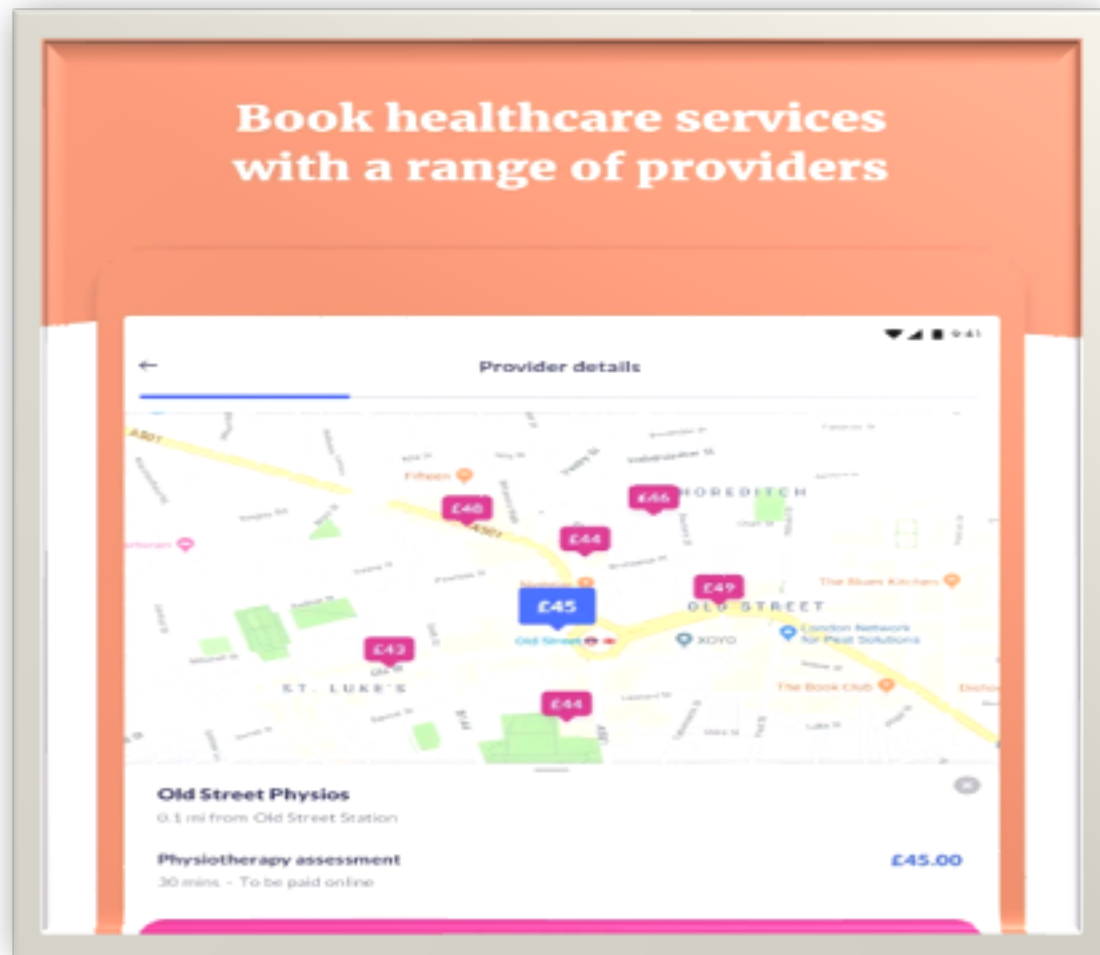


Another facility in this app is :



ELIZABETH
RAUSSEO
2233997.

This app gives you plenty options for book health are services



ELIZABETH
RAUSSEO
2233997.

Book remote or face-to-face GP appointments

I think this facility is totally a game changer

- ELIZABETH RAUSSEO 2233997.

The screenshot shows a mobile app interface for booking GP appointments. At the top, there's a status bar with signal strength, battery, and time (9:41). Below that, a back arrow and the text "Available times" are visible. A progress bar is shown below the header. The main section displays a calendar for February 2020. The dates 18 through 27 are shown in circles, with the day of the week below each. The 18th (Monday) is highlighted in blue. Below the calendar, the name "Dr. Shella Farmer" and title "General Medical Practitioner" are listed. A grid of appointment times is shown below, with the 10:40 slot highlighted in blue.

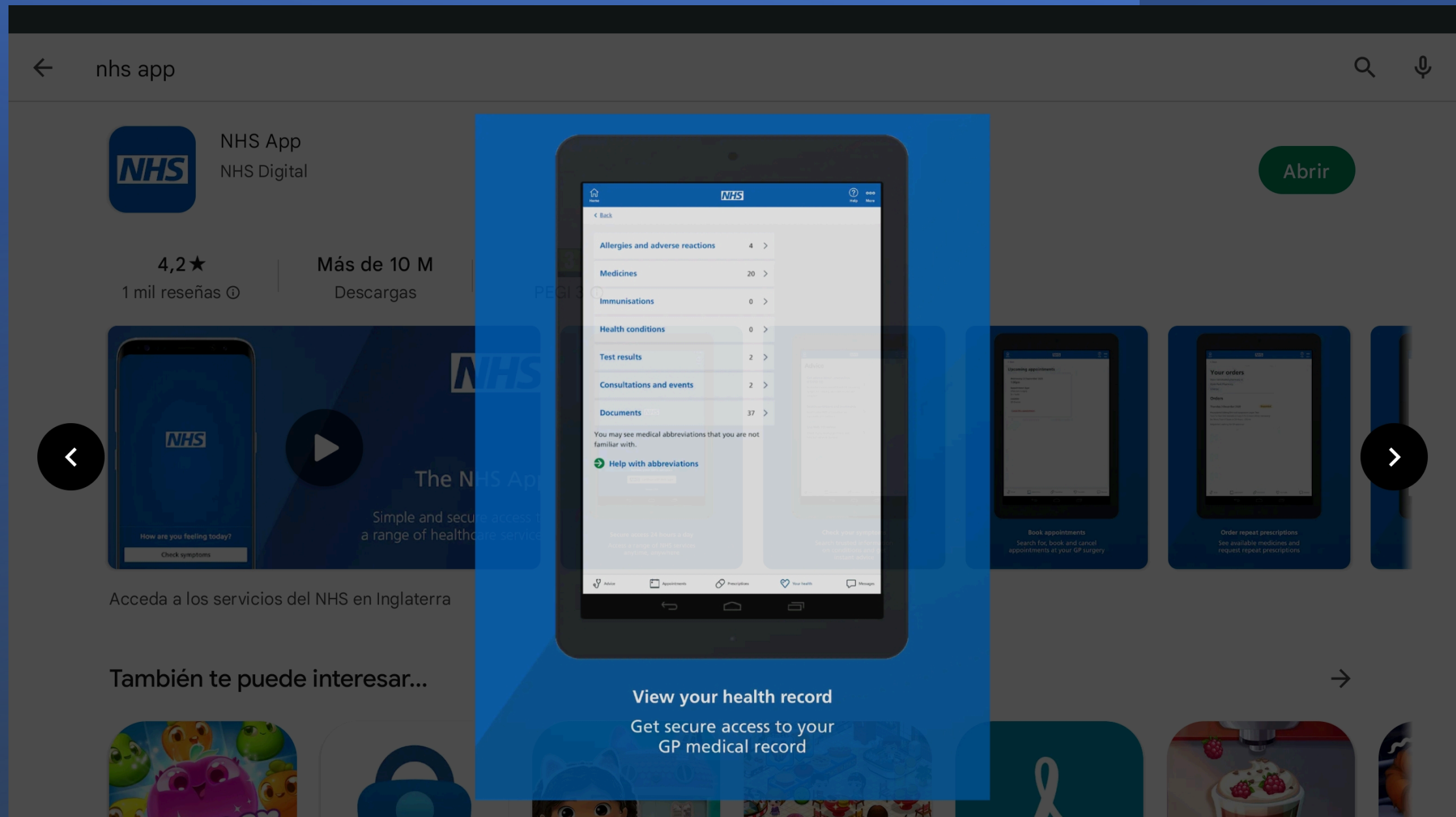
February 2020									
18 Mon	19 Tue	20 Wed	21 Thu	22 Fri	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed

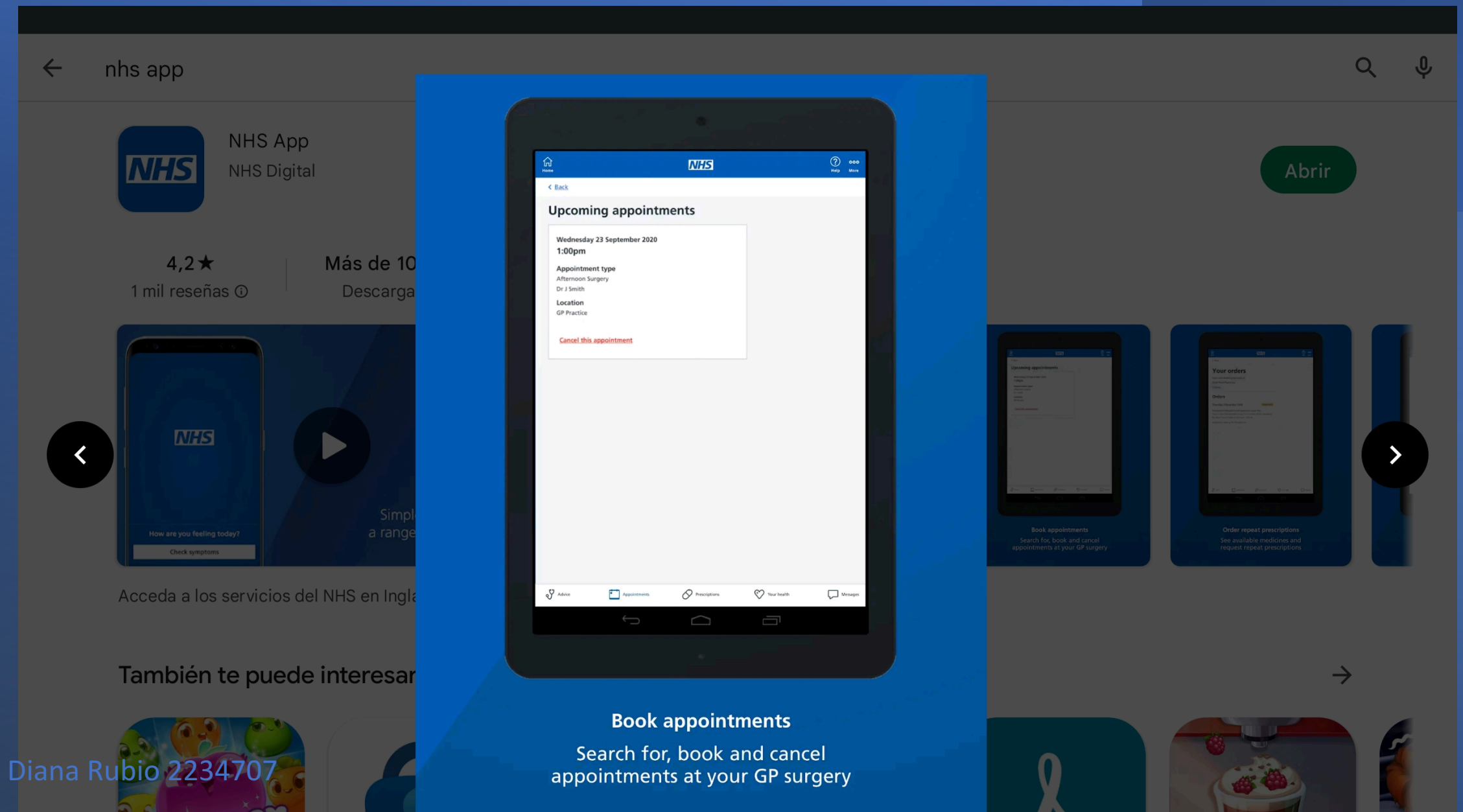
Dr. Shella Farmer
General Medical Practitioner

09:00	09:10	09:20	09:30	10:00
10:15	10:20	10:40	10:50	12:05
12:15	12:30	12:40	12:45	12:50
12:55	13:15	13:20	13:25	13:35

NHS APP



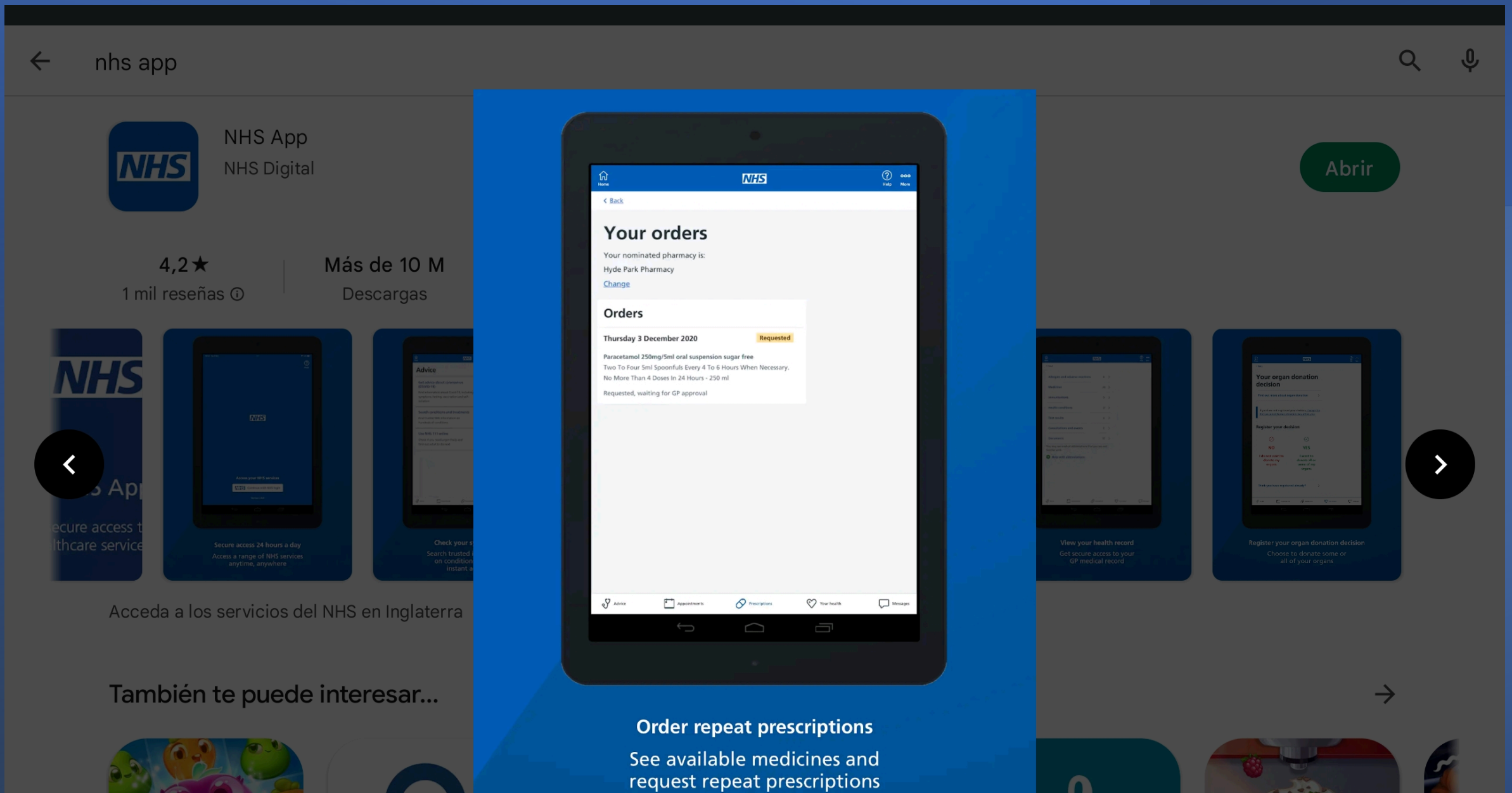




Diana Rubio 2234707

Book appointments

Search for, book and cancel appointments at your GP surgery



Order repeat prescriptions

See available medicines and
request repeat prescriptions

Diana Rubio 2234707



COVID-19 restrictions have been removed in England.



App is active and
helping to protect
you and others



The app is closing down soon

[Read more >](#)



COVID-19 guidance



Check symptoms



Enter test result



Diana Rubio 2234707



Conclusion

- Technological tools offer opportunities to improve health care.
- Technology has the potential to deliver significant savings for the NHS and the healthcare system.
- Patients are embracing new technology and increasingly people say they would use video consultations to consult their GP about minor ailments and ongoing conditions by using the applications presented.

Reference list

- GOLDSCHMIDT, PETER G. “FUTURE OF MEDICAL CARE: TECHNOLOGY.” *Journal of Health and Human Resources Administration*, vol. 1, no. 1, 1978, pp. 30–43. JSTOR, <http://www.jstor.org/stable/23211081>. Accessed 11 Apr. 2023.
- Klecun E., Madon S. (2020). *Covid-19: how are new uses of technology transforming healthcare?* Available at: <https://blogs.lse.ac.uk/businessreview/2020/05/28/covid-19-how-are-new-uses-of-technology-transforming-healthcare/>.
- Lam, P. (2018) *What to know about MRI scans*. Available at: <https://www.medicalnewstoday.com/articles/146309>. Accessed on 14 April 2023
- NHS (no date) “Use of Technology to improve services,” *england.nhs.uk*. - <https://www.england.nhs.uk/improvement-hub/wp-content/uploads/sites/44/2017/11/ILG-1.6-Use-of-Technology-to-Improve-Services.pdf>. Accessed on 11 April 2023.
- Petrakaki, D., Klecun, E., & Cornford, T. (2016). Changes in healthcare professional work afforded by technology: The introduction of a national electronic patient record in an English hospital. *Organization*, 23(2), 206–226. <https://doi.org/10.1177/1350508414545907>