

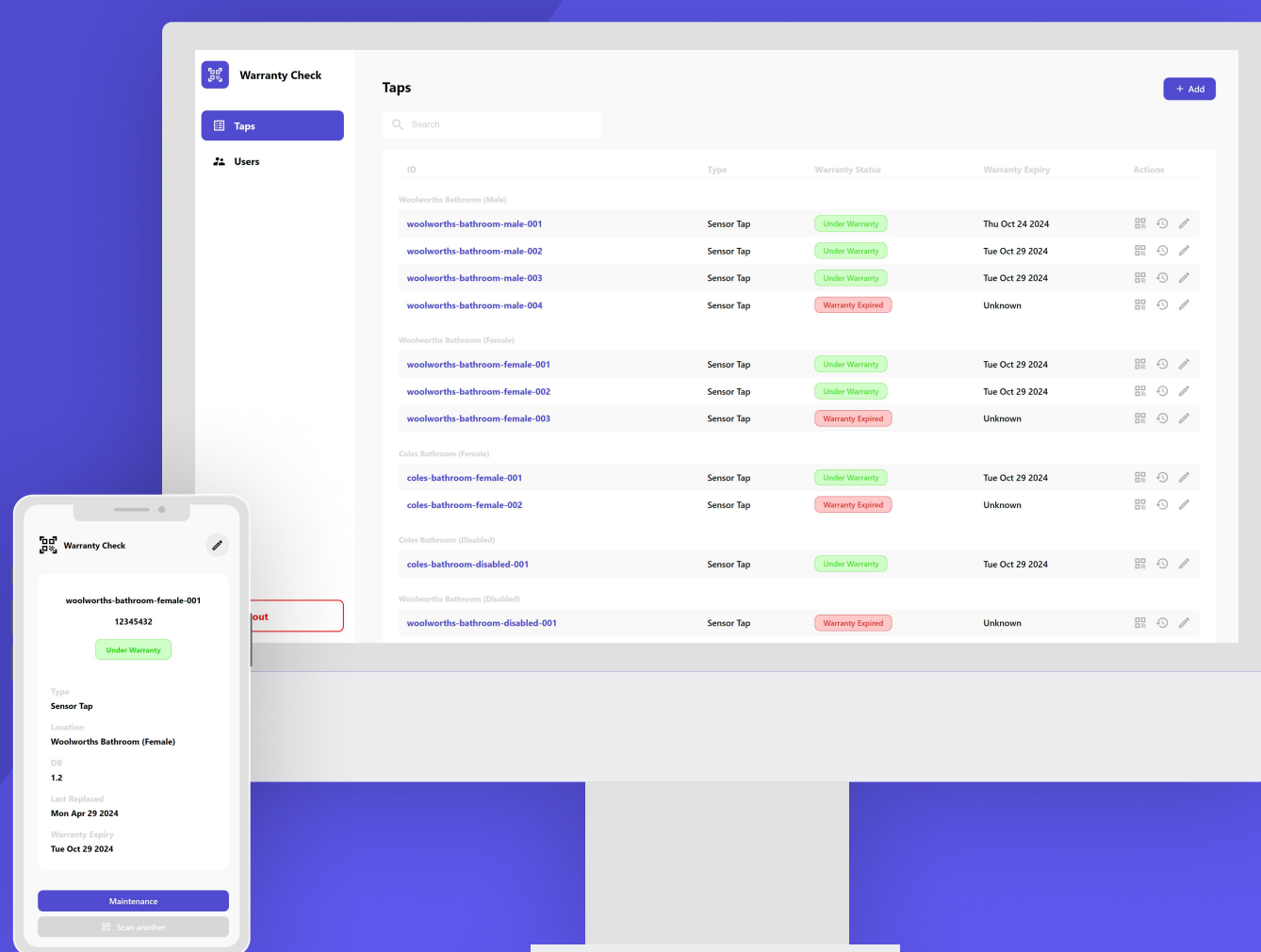


# Warranty Check

Westfield

Web application for tracking warranty information using QR codes in Westfield shopping centres.

- ✓ Design
- ✓ Front-end
- ✓ Back-end



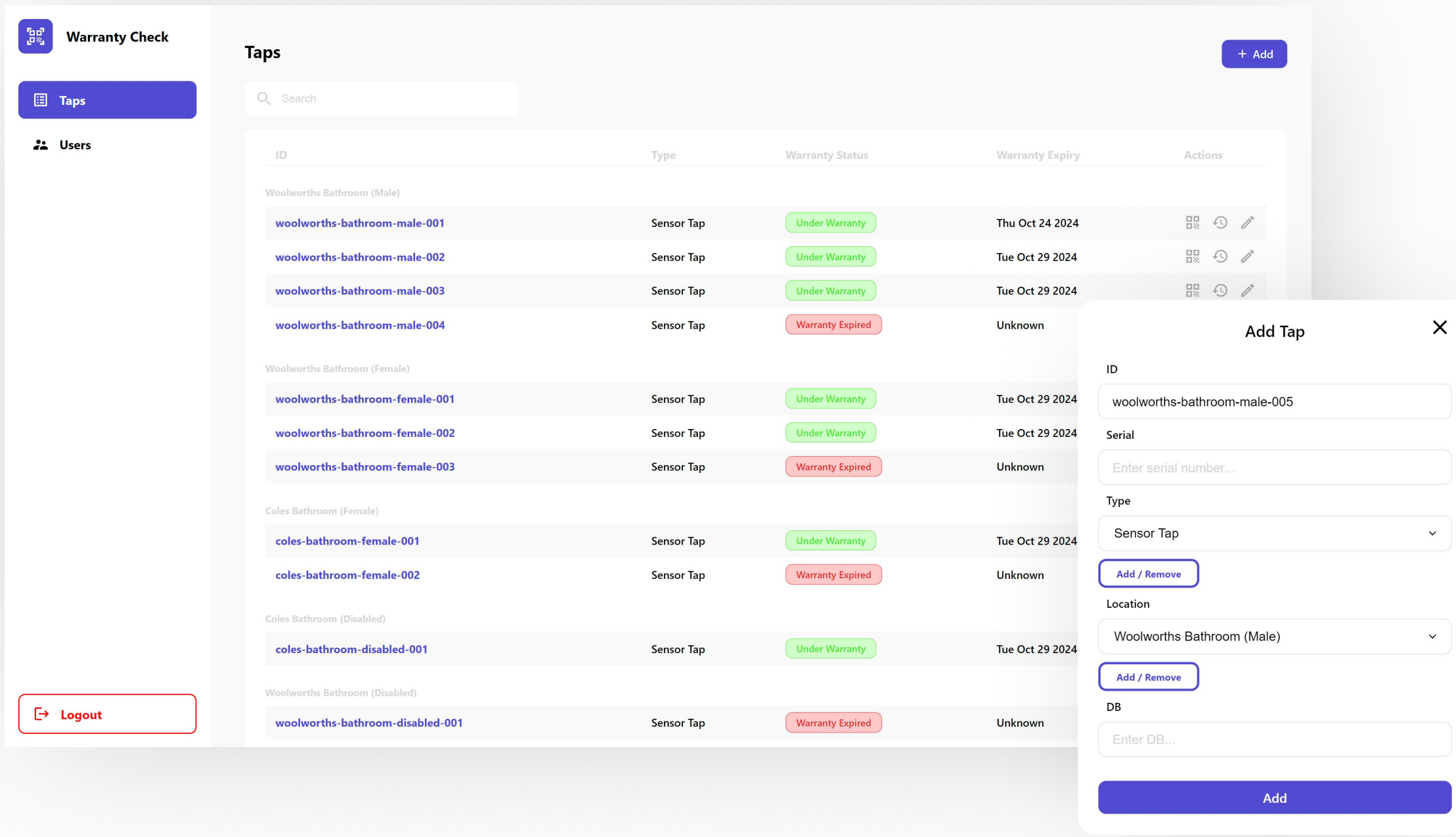
## Challenge

Westfield needed a way to keep track of warranty information on fittings and appliances that are being replaced regularly. They wanted a solution that would not required management to manually update records and they also wanted the information to be easily accessible by maintenance workers and staff on the ground.

## Goal

Develop a web application that utilises QR codes placed in the service area of each fitting and appliance. Authorised maintenance workers and staff can scan the QR code to see information about the fitting or appliance and update records when they have been replaced or repaired.

## Admin Dashboard

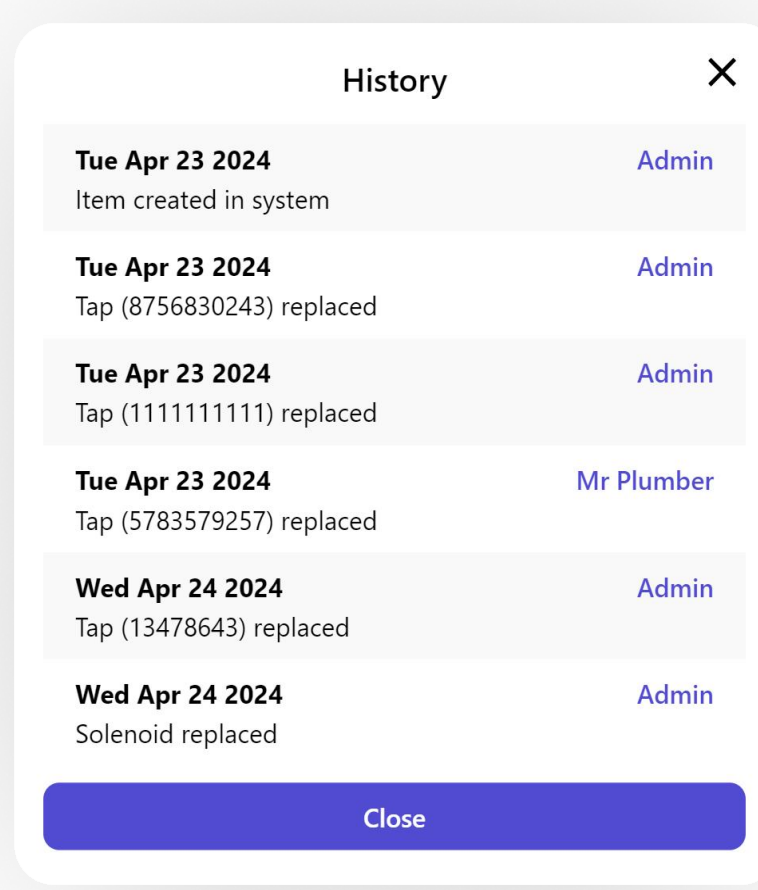


## Features

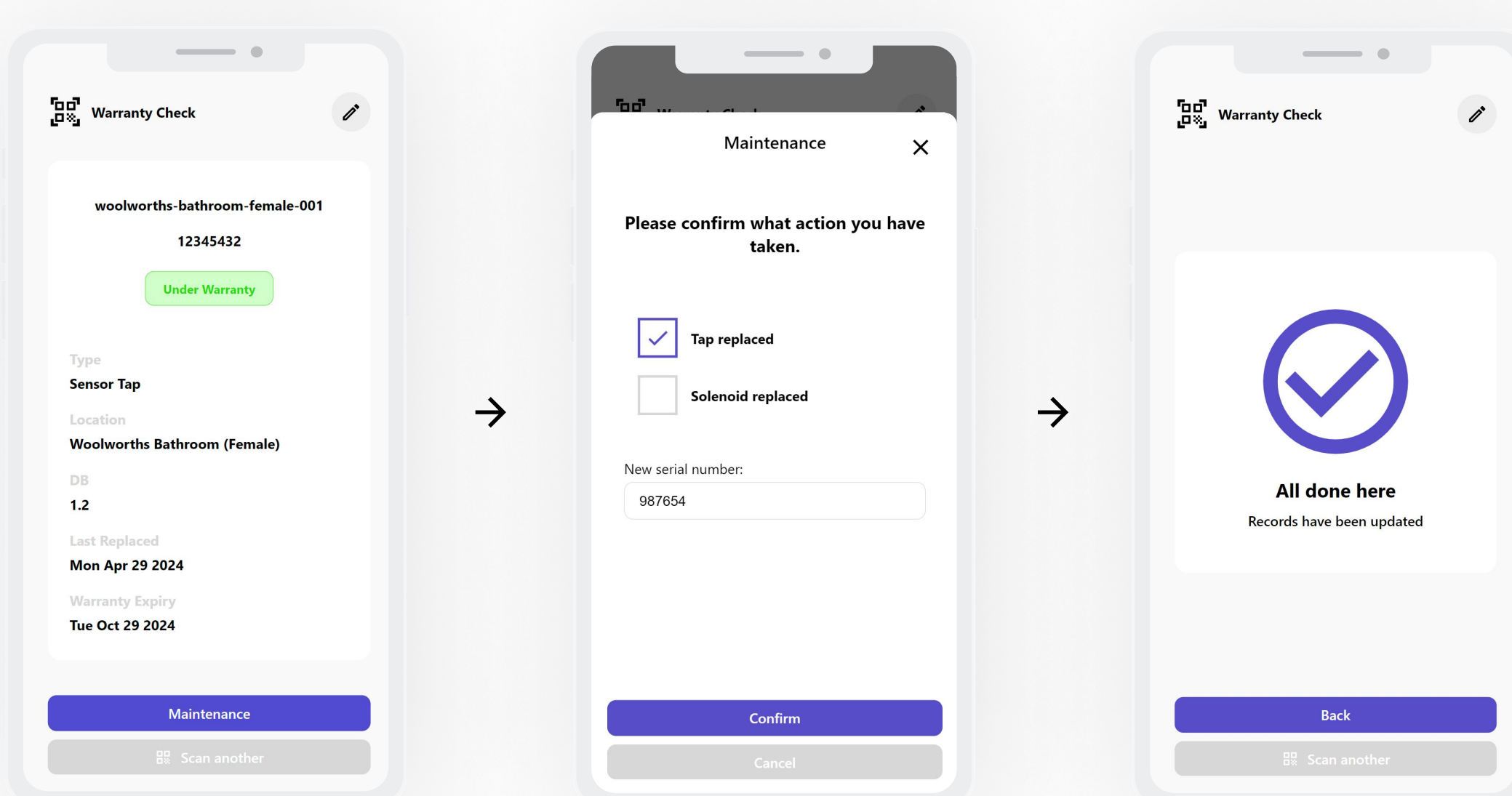


QR Codes can be generated and downloaded for the admin dashboard.

History of all actions can be viewed on the admin dashboard.



## Maintenance flow



Scan QR and check information/warranty.

Update records with action taken.

Confirmation for records being updated.

## Technology



Next.js



Node.js



MongoDB



AWS EC2

+ Javascript    Typescript    HTML & CSS

## Conclusion

Warranty Check has been rolled out in the Carousel branch with positive feedback. The app is expected to save a significant amount of money in unclaimed warranties.

## Reference

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