# πSec

# Sprint 4

Group 4

# Topics for today

**1**   **Sprint 4 review**
What we had planned and what has been completed

**2**   **Security and Testing**
A view of our security measures

**3**   **Minimum viable product**
Demo

**4**   **GitLab**
An update on our GitLab

**5**   **Future plans**
What we are going to do before closure

# Sprint 4 review

- Connect web server to database
- Recordings after motion detection
- Web server improvement
- Livestream is streaming live
- Adding display to disable the system

**Next Week**

# Testing



**Manual testing**

Storing alerts in database

Motion detection

Navigation and interaction in web interface

**Unit testing**

Unit tests are implemented for correct storage of database

**Application testing**

To be improved

# Security decisions

**Streaming**

Video will be streamed through HLS (HTTP Live Streaming) and encrypted with AES-128

**Encryption**

All traffic will use HTTPS, so it's encrypted

**Password**

Passwords will be hashed, salted and peppered in the browser and again server side

**Authorization**

The user will only be able to access their own video streams and cameras

**Internal storage**

All recordings will be stored internally

**Closing ports**

Only port 443 (HTTPS) will be opened

**Input sanitisation**

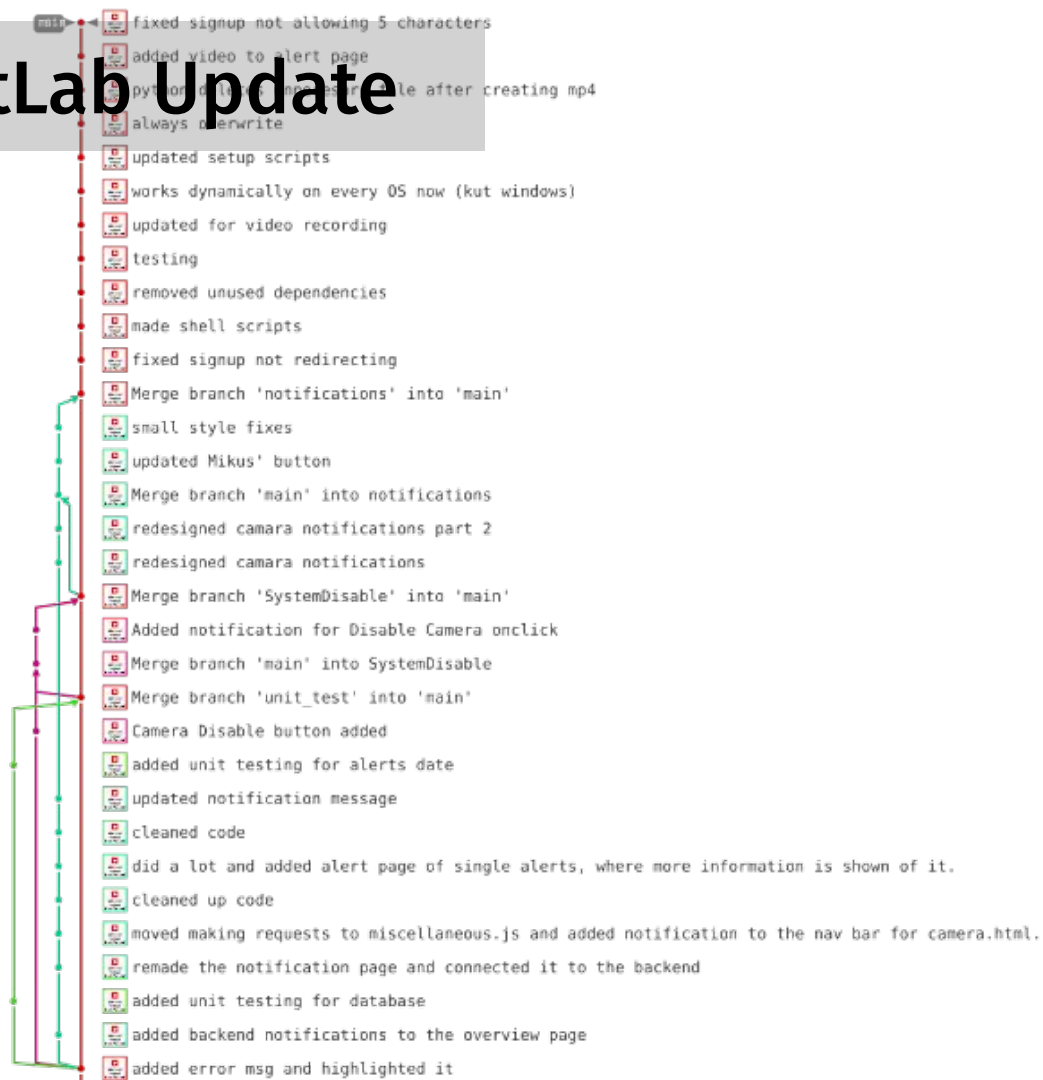Input will be sanitized to prevent SQL injection

**Local Database**

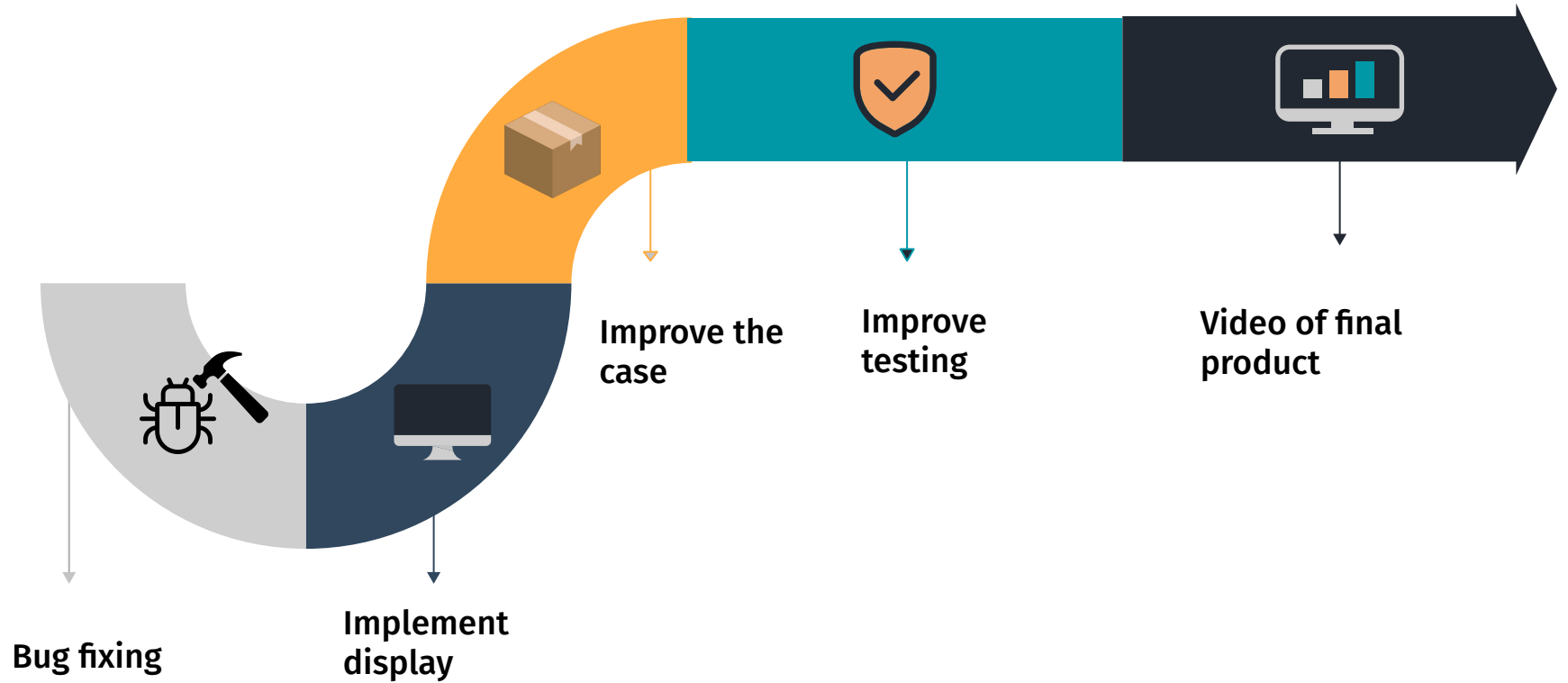Database will run on the Raspberry Pi

# Minimum viable product demo

Nov    4

main    fixed signup not allowing 5 characters

added video to alert page

copy mod dtes directly file after creating mp4

always overwrite

updated setup scripts

works dynamically on every OS now (kut windows)

updated for video recording

testing

removed unused dependencies

made shell scripts

2      fixed signup not redirecting

Merge branch 'notifications' into 'main'

small style fixes

updated Mikus' button

Merge branch 'main' into notifications

redesigned camara notifications part 2

redesigned camara notifications

Merge branch 'SystemDisable' into 'main'

Added notification for Disable Camera onclick

Merge branch 'main' into SystemDisable

Merge branch 'unit_test' into 'main'

Camera Disable button added

added unit testing for alerts date

updated notification message

cleaned code

did a lot and added alert page of single alerts, where more information is shown of it.

1      cleaned up code

moved making requests to miscellaneous.js and added notification to the nav bar for camera.html.

remade the notification page and connected it to the backend

added unit testing for database

added backend notifications to the overview page

added error msg and highlighted it

# Future planning



Bug fixing

Implement display

Improve the case

Improve testing

Video of final product

**Q&A**