



DASS Sprint Backlog 2



Team 51

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Overview

| | |
|----------------|---|
| Project number | 50 |
| Project Title | Framework to access and Validate sensor data |
| Document | DASS Project Plan v1.0 |
| Creation date | 10th March, 2021 |
| Created By | Pratyay Suvarnapathaki |
| Client | Prof. Anuradha Vатtem, Smart City Living Lab, IIITH |



Problem Statement

The Smart City Living Lab has recently deployed more than 100 data collection nodes across the campus. These nodes track various metrics for air quality, water quality, energy, weather, etc. Thus, a large amount of data is being generated.

The natural extension of this hardware framework is to build a robust software setup to ensure accuracy and consistency in sensor readings. Factors such as hardware malfunctions, network failures, or software glitches affect data quality and result in inaccurate data generation.

Therefore, our role is to develop a framework to integrate with the existing oneM2M-based setup, and implement features such as uniform data quality validation, outlier detection, and hardware malfunction indication.

Requirements and Design Sprints Fully Complete

DASS 2k22 > DASS2K22-Team-51 > Milestones > Requirements Sprint

Open

Milestone Jan 28, 2022–Feb 11, 2022

Edit

Close milestone

Delete

Requirements Sprint

Time for scoping, requirements collection and initial planning

✓ All issues for this milestone are closed. You may close this milestone now.

Issues 2

Merge requests 1

Participants 2

Labels 2

Unstarted Issues (open and unassigned) 0

Ongoing Issues (open and assigned) 0

Completed Issues (closed) 2

ProjectPlan ; Meet_and_coordinate ; Scoping

#2 Done

Requirements ; Agree_On_Requirements ; Requirements_Gathering

#1 Development

100% complete

Start date Jan 28, 2022

Due date Feb 11, 2022 (Today)

Issues 2 Open: 0 Closed: 2

Time tracking No estimate or time spent

Merge requests 1 Open: 1 Closed: 0 Merged: 0

Releases None

Reference: DASS2k22/DASS2K2...

Plan Till R1

Implementation and testing in progress.

DASS 2k22 > DASS2K22-Team-51 > Milestones > Dev Sprint 1

Upcoming

Milestone Feb 12, 2022–Feb 25, 2022

Edit

Close milestone

Delete

Dev Sprint 1

Issues 7

Merge requests 0

Participants 0

Labels 1

Unstarted Issues (open and unassigned) 7

Ongoing Issues (open and assigned) 0

Completed Issues (closed) 0

DataValidation ; Outliers ; OutlierSpotting

#9 Future

DataValidation ; Outliers ; OutlierAlgo

#8 Future

DataValidation ; Good_values ; Nan_alert

#7 Future

DataValidation ; Good_values ; Nan_Detection

#6 Future

UpAndRunning ; Node_Posting_Data ; Check_Frequency

#5 Future

UpAndRunning ; Program_Setup ; Data_Fetching

#4 Future

UpAndRunning ; Program_Setup ; OneM2M_Interfacing

#3 Future

0% complete

Start date Feb 12, 2022

Due date Feb 25, 2022 (Upcoming)

Issues 7 Open: 7 Closed: 0

Time tracking No estimate or time spent

Merge requests 0 Open: 0 Closed: 0 Merged: 0

Releases None

Reference: DASS2k22/DASS2K2...