



UNIVERSITI TEKNOLOGI MALAYSIA

PRESENTATION SLIDE

INDUSTRIAL TRAINING at Vectolabs Technologies SDN. BHD.

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A20EC5022

Training Scope



Front End Development

Handle user interfaces with Vue.js



Back End Development

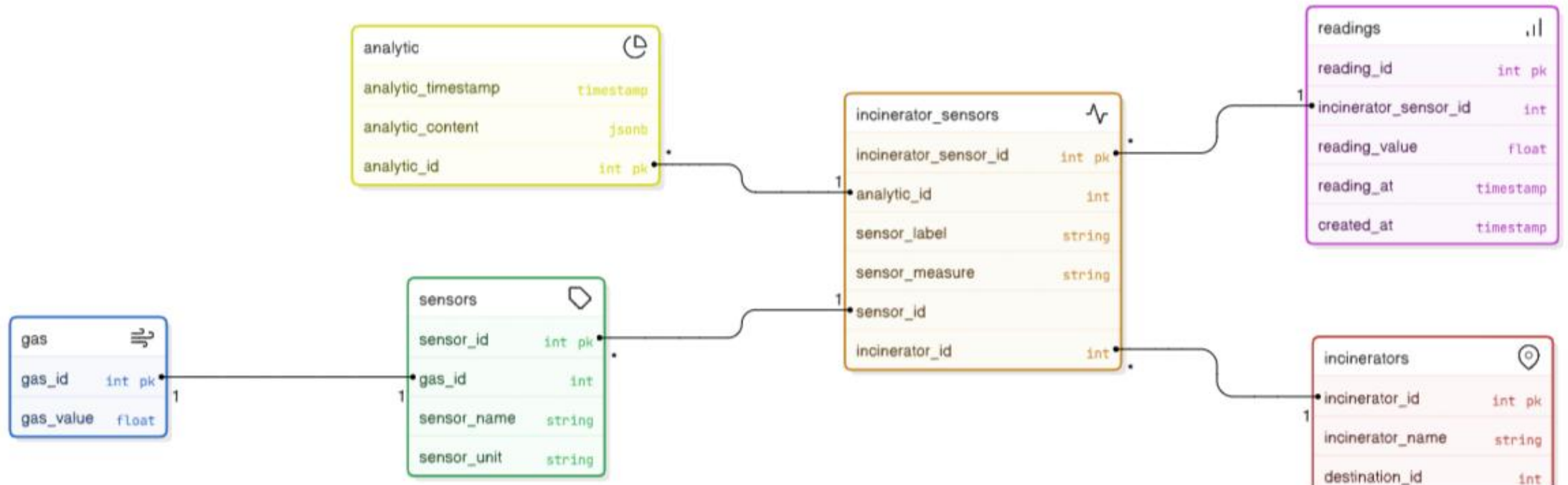
Create RESTful API, scraping a website and managing a PostgreSQL database



Documenting

Documenting a bug and Improving the existing document report

ERD Diagram



```

Go Run Terminal Help
cemos_scada

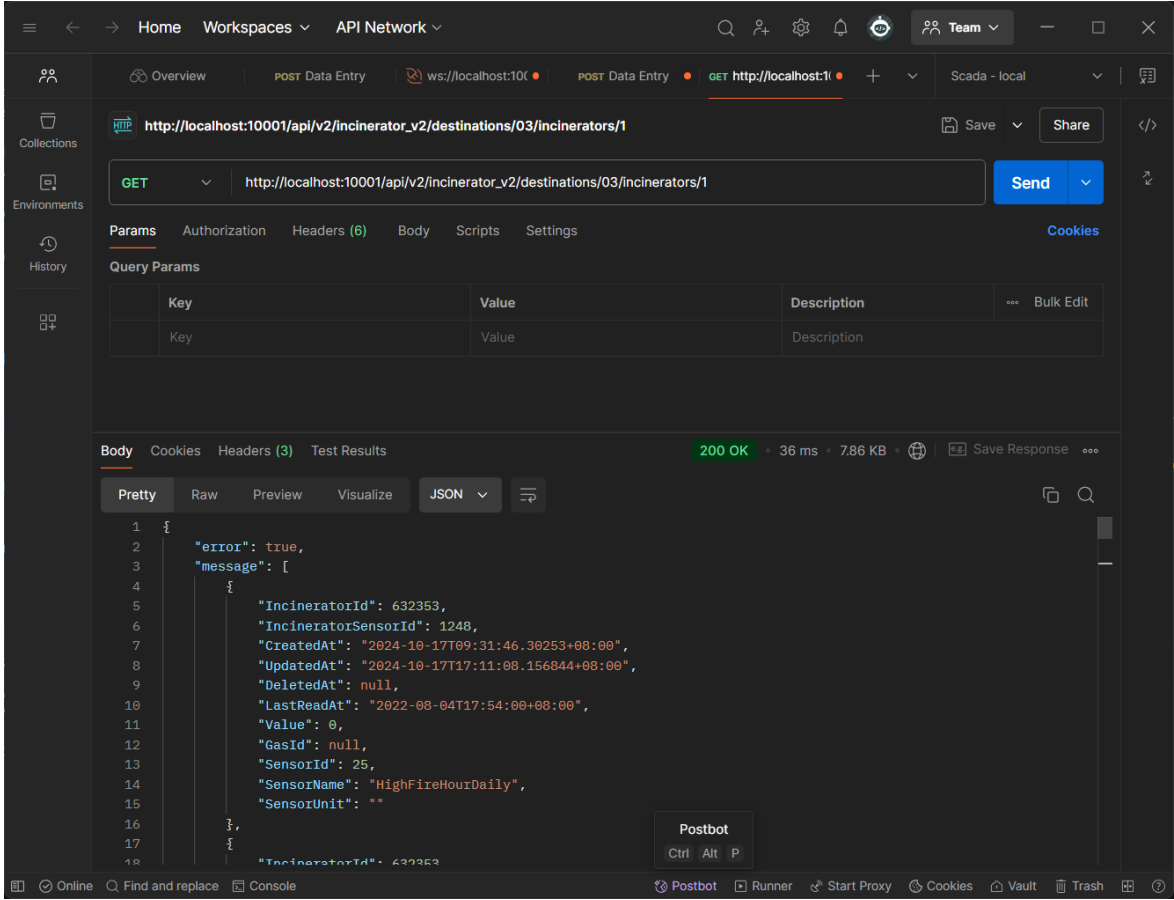
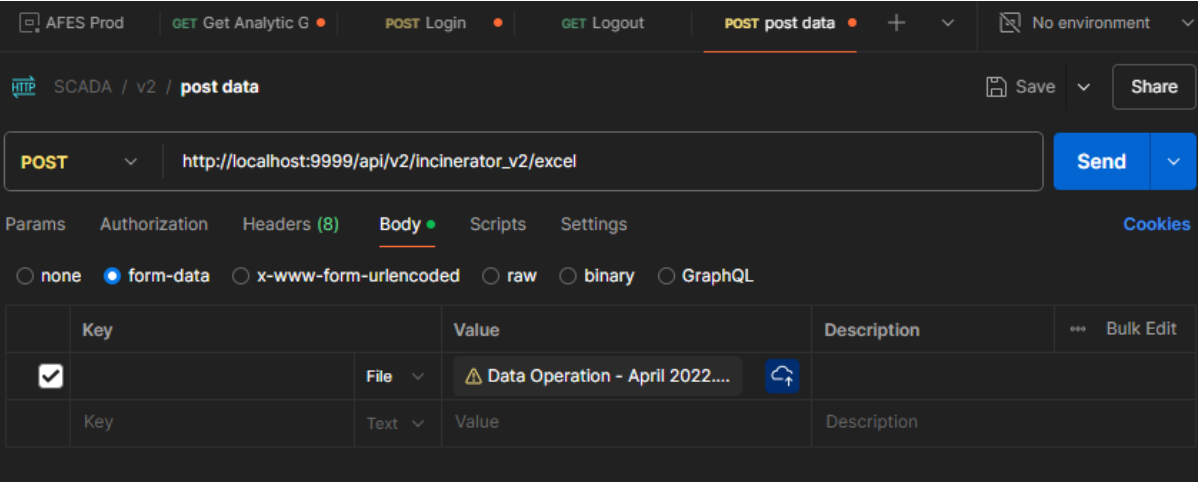
api_v2.go model.go X
app > model > api_v2.go
176 type (
177     DestinationV2 struct {
178         DestinationId uint `gorm:"primary_key;auto_increment"`
179         DestinationCode string `json:"destination_code"`
180         DestinationName string `json:"destination_name"`
181         GormDefault
182
183         Incinerator *[]IncineratorV2 `gorm:"foreignKey:DestinationId;references:DestinationId"`
184     }
185
186     IncineratorV2 struct {
187         IncineratorId uint `json:"incinerator_id" gorm:"primary_key;auto_increment;"`
188         IncineratorName string `json:"incinerator_name"`
189         DestinationId *int `gorm:"default:null"`
190
191         IncineratorSensor *[]IncineratorSensorV2 `gorm:"foreignKey:IncineratorId;references:IncineratorId;"`
192     }
193
194     DumpData struct {
195         ID int `json:"id"`
196         Data []byte `json:"data"`
197         DestinationId *int `json:"destination_id"`
198         IncineratorName *string `json:"incinerator_name"`
199         CreatedAt time.Time `gorm:"index"`
200         Tries int `gorm:"default:0"`
201         DateInserted *time.Time
202         ErrorMessage *string
203     }
204
205     GasV2 struct {
206         GasId uint `gorm:"primary_key;auto_increment;"`
207         GasValue string `gorm:"unique;index;"`
208
209         Sensor []*SensorV2 `gorm:"foreignKey:GasId;references:GasId;"`
210     }
211
212     SensorV2 struct {
213         GasId *uint `json:"-" gorm:"default:null;index"`
214         SensorId uint `gorm:"primary_key;auto_increment;"`
215         SensorName string `gorm:"unique;index;"`
216         SensorUnit string
217
218         IncineratorSensor *[]IncineratorSensorV2 `gorm:"foreignKey:SensorId;references:SensorId;"`

```

```

api_v2.go X model.go
app > controllers > api_v2 > api_v2.go
183 func insertDataFromExcel(w http.ResponseWriter, r *http.Request) {
184     incinerator_name := r.URL.Query().Get("incinerator_name")
185     destination_code := r.URL.Query().Get("destination_code")
186
187     if incinerator_name == "" || destination_code == "" {
188         network.Response(w, http.StatusBadRequest, "missing destination_code or incinerator_name in params")
189         return
190     }
191     db := database.GetInstance()
192     destination := model.DestinationV2{}
193     if err := db.First(&destination, &model.DestinationV2{DestinationCode: destination_code}).Error; err != nil {
194         log.Printf("invalid destination_code: %s", destination_code)
195         network.Response(w, http.StatusNotFound, "page not found")
196         return
197     }
198
199     if err := r.ParseMultipartForm(50 << 20); // Limit the size of the form to 50 MB
200     err != nil {
201         network.Response(w, http.StatusBadRequest, fmt.Sprintf("Error parsing form: %v", err))
202         return
203     }
204
205     files := r.MultipartForm.File["file"]
206     if len(files) == 0 {
207         network.Response(w, http.StatusBadGateway, "no file uploaded")
208         return
209     }
210
211     for _, fileHeader := range files {
212         file, err := fileHeader.Open()
213         if err != nil {
214             network.Response(w, http.StatusBadRequest, fmt.Sprintf("Error retrieving the file: %v", err))
215             return
216         }
217         defer file.Close()
218
219         tempFile := createTmpLocalFile(file, int(destination.DestinationId), incinerator_name)
220         if tempFile == nil {
221             network.Response(w, http.StatusBadRequest, "error storing file")
222             return
223         }
224     }
225
226     network.Response(w, http.StatusOK, fmt.Sprintf("%d file uploaded successfully", len(files)))
227 }

```



Script-3 Script-4 weighbridge_readings suppliers destinations dump_data

Properties Data ER Diagram

Enter a SQL expression to filter results (use Ctrl+Space)

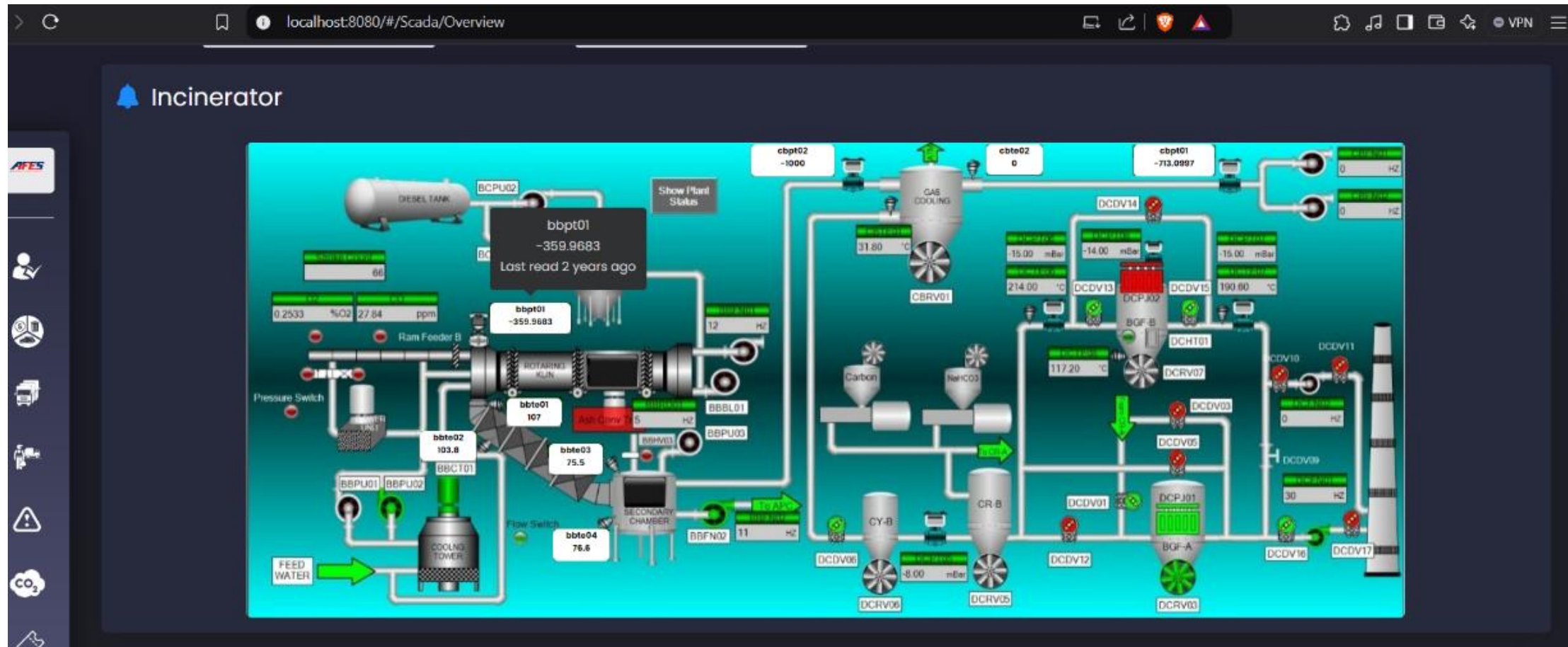
	123 id	data	123 destination_id	created_at	123 tries	date_inserted	A-Z incinerator_name	A-Z error_mes
1	181,776	("HighFireHour": "15", "HighFireHo...	[424]	1 2024-12-23 13:15:32.354 +0800	0	2024-12-23 13:17:49.861 +0800	line a	[NULL]
2	181,775	("HighFireHour": "15", "HighFireHo...	[431]	1 2024-12-23 13:15:32.501 +0800	0	2024-12-23 13:17:53.091 +0800	line a	[NULL]
3	181,774	("HighFireHour": "15", "HighFireHo...	[431]	1 2024-12-23 13:15:32.588 +0800	0	2024-12-23 13:17:55.219 +0800	line a	[NULL]
4	181,773	("HighFireHour": "15", "HighFireHo...	[428]	1 2024-12-23 13:15:32.651 +0800	0	2024-12-23 13:17:58.315 +0800	line a	[NULL]
5	322,215	("HighFireHour": "35", "HighFireHo...	[510]	1 2024-12-23 13:15:32.674 +0800	6	[NULL]	line a	parsing time
6	181,772	("HighFireHour": "15", "HighFireHo...	[424]	1 2024-12-23 13:15:32.689 +0800	0	2024-12-23 13:18:00.820 +0800	line a	[NULL]
7	181,771	("HighFireHour": "15", "HighFireHo...	[425]	1 2024-12-23 13:15:32.737 +0800	0	2024-12-23 13:18:03.557 +0800	line a	[NULL]
8	322,214	("HighFireHour": "35", "HighFireHo...	[524]	1 2024-12-23 13:15:32.759 +0800	6	[NULL]	line a	parsing time
9	181,770	("HighFireHour": "15", "HighFireHo...	[425]	1 2024-12-23 13:15:32.816 +0800	0	2024-12-23 13:18:06.819 +0800	line a	[NULL]
10	322,213	("HighFireHour": "35", "HighFireHo...	[520]	1 2024-12-23 13:15:32.833 +0800	6	[NULL]	line a	parsing time
11	181,769	("HighFireHour": "15", "HighFireHo...	[426]	1 2024-12-23 13:15:32.902 +0800	0	2024-12-23 13:18:09.016 +0800	line a	[NULL]
12	322,212	("HighFireHour": "35", "HighFireHo...	[525]	1 2024-12-23 13:15:32.927 +0800	6	[NULL]	line a	parsing time
13	181,768	("HighFireHour": "15", "HighFireHo...	[433]	1 2024-12-23 13:15:32.949 +0800	0	2024-12-23 13:18:11.975 +0800	line a	[NULL]
14	181,767	("HighFireHour": "15", "HighFireHo...	[431]	1 2024-12-23 13:15:32.994 +0800	0	2024-12-23 13:18:14.591 +0800	line a	[NULL]
15	322,211	("HighFireHour": "35", "HighFireHo...	[511]	1 2024-12-23 13:15:32.995 +0800	6	[NULL]	line a	parsing time
16	181,766	("HighFireHour": "15", "HighFireHo...	[424]	1 2024-12-23 13:15:33.057 +0800	0	2024-12-23 13:18:17.575 +0800	line a	[NULL]
17	322,210	("HighFireHour": "35", "HighFireHo...	[519]	1 2024-12-23 13:15:33.080 +0800	1	[NULL]	line a	parsing time
18	181,765	("HighFireHour": "15", "HighFireHo...	[425]	1 2024-12-23 13:15:33.144 +0800	0	2024-12-23 13:18:20.179 +0800	line a	[NULL]
19	181,764	("HighFireHour": "15", "HighFireHo...	[427]	1 2024-12-23 13:15:33.188 +0800	0	2024-12-23 13:18:22.820 +0800	line a	[NULL]
20	322,209	("HighFireHour": "35", "HighFireHo...	[521]	1 2024-12-23 13:15:33.217 +0800	6	[NULL]	line a	parsing time
21	181,763	("HighFireHour": "15", "HighFireHo...	[427]	1 2024-12-23 13:15:33.232 +0800	0	2024-12-23 13:18:25.939 +0800	line a	[NULL]
22	322,208	("HighFireHour": "35", "HighFireHo...	[519]	1 2024-12-23 13:15:33.296 +0800	6	[NULL]	line a	parsing time
23	181,762	("HighFireHour": "15", "HighFireHo...	[429]	1 2024-12-23 13:15:33.312 +0800	0	2024-12-23 13:18:28.291 +0800	line a	[NULL]
24	322,207	("HighFireHour": "35", "HighFireHo...	[525]	1 2024-12-23 13:15:33.377 +0800	6	[NULL]	line a	parsing time
25	181,761	("HighFireHour": "15", "HighFireHo...	[429]	1 2024-12-23 13:15:33.395 +0800	0	2024-12-23 13:18:31.156 +0800	line a	[NULL]
26	181,760	("HighFireHour": "15", "HighFireHo...	[426]	1 2024-12-23 13:15:33.427 +0800	0	2024-12-23 13:18:34.020 +0800	line a	[NULL]
27	322,206	("HighFireHour": "35", "HighFireHo...	[519]	1 2024-12-23 13:15:33.457 +0800	1	[NULL]	line a	parsing time
28	181,759	("HighFireHour": "15", "HighFireHo...	[428]	1 2024-12-23 13:15:33.475 +0800	0	2024-12-23 13:18:36.748 +0800	line a	[NULL]
29	322,205	("HighFireHour": "35", "HighFireHo...	[511]	1 2024-12-23 13:15:33.537 +0800	6	[NULL]	line a	parsing time
30	181,758	("HighFireHour": "15", "HighFireHo...	[430]	1 2024-12-23 13:15:33.537 +0800	0	2024-12-23 13:18:39.542 +0800	line a	[NULL]
31	322,204	("HighFireHour": "35", "HighFireHo...	[503]	1 2024-12-23 13:15:33.567 +0800	6	[NULL]	line a	parsing time
32	181,757	("HighFireHour": "15", "HighFireHo...	[430]	1 2024-12-23 13:15:33.616 +0800	0	2024-12-23 13:18:42.101 +0800	line a	[NULL]
33	322,203	("HighFireHour": "35", "HighFireHo...	[521]	1 2024-12-23 13:15:33.632 +0800	6	[NULL]	line a	parsing time
34	181,756	("HighFireHour": "15", "HighFireHo...	[426]	1 2024-12-23 13:15:33.671 +0800	0	2024-12-23 13:18:45.059 +0800	line a	[NULL]
35	181,755	("HighFireHour": "15", "HighFireHo...	[427]	1 2024-12-23 13:15:33.713 +0800	0	2024-12-23 13:18:47.636 +0800	line a	[NULL]
36	322,202	("HighFireHour": "35", "HighFireHo...	[510]	1 2024-12-23 13:15:33.713 +0800	6	[NULL]	line a	parsing time
37	181,754	("HighFireHour": "15", "HighFireHo...	[430]	1 2024-12-23 13:15:33.776 +0800	0	2024-12-23 13:18:51.713 +0800	line a	[NULL]
38	322,201	("HighFireHour": "35", "HighFireHo...	[520]	1 2024-12-23 13:15:33.777 +0800	6	[NULL]	line a	parsing time
39	181,753	("HighFireHour": "15", "HighFireHo...	[425]	1 2024-12-23 13:15:33.809 +0800	0	2024-12-23 13:18:54.612 +0800	line a	[NULL]
40	322,200	("HighFireHour": "35", "HighFireHo...	[513]	1 2024-12-23 13:15:33.810 +0800	6	[NULL]	line a	parsing time
41	322,199	("HighFireHour": "35", "HighFireHo...	[513]	1 2024-12-23 13:15:33.826 +0800	1	[NULL]	line a	parsing time

Script-3 Script-4 weighbridge_readings suppliers destinations dump_data sensor_v2

Properties Data ER Diagram

Enter a SQL expression to filter results (use Ctrl+Space)

	123 gas_id	123 sensor_id	A-Z sensor_name	A-Z sensor_unit
1	[NULL]	1	bbte01	[NULL]
2	[NULL]	2	bbte02	[NULL]
3	[NULL]	3	bbte03	[NULL]
4	[NULL]	4	bbte04	[NULL]
5	[NULL]	5	bbpt01	[NULL]
6	[NULL]	6	cbte02	[NULL]
7	[NULL]	7	cbpt01	[NULL]
8	[NULL]	8	cbpt02	[NULL]
9	[NULL]	9	so2	[NULL]
10	[NULL]	10	nox	[NULL]
11	[NULL]	11	co	[NULL]
12	[NULL]	12	hcl	[NULL]
13	[NULL]	13	hf	[NULL]
14	[NULL]	14	nmvoc	[NULL]
15	[NULL]	15	o2	[NULL]
16	[NULL]	16	dust	[NULL]
17	[NULL]	17	pressure	[NULL]
18	[NULL]	18	flow	[NULL]
19	[NULL]	19	temperature	[NULL]
20	[NULL]	20	toc	[NULL]
21	[NULL]	21	stroke_count	[NULL]
22	[NULL]	22	LowFireHour	[NULL]
23	[NULL]	23	HighFireHour	[NULL]
24	[NULL]	24	LowFireHourDaily	[NULL]
25	[NULL]	25	HighFireHourDaily	[NULL]
26	[NULL]	26	RK_O2	[NULL]
27	[NULL]	27	RK_CO	[NULL]
28	[NULL]	29	id	



```

68      src="@/assets/img/overview/SCADA PP Line A.jpg"
69      width="1100px"
70    />
71    <div v-for="(item, index) in datas" :key="index">
72      <!-- BATE01 -->
73      <el-tooltip
74        class="item"
75        effect="dark"
76        placement="top-start"
77+      v-if="item.label === 'bbpt01'"
78      >
79        <template slot="content">
80          <div style="text-align: center">

```

✱ 1006 hidden lines |  div >  div >  div >  el-tooltip.item

```

1087      class="item"
1088      effect="dark"
1089      placement="top-start"
1090+     v-if="item.label === 'bbpt01'"
1091   >
1092     <div slot="content" style="text-align: center">
1093       <p>{{ item.label }}</p>

```

✱ 67 hidden lines |  el-tooltip.item

```

1161      class="item"
1162      effect="dark"
1163      placement="top-start"
1164+     v-if="item.label === 'cbpt02'"
1165   >
1166     <div slot="content" style="text-align: center">
1167       <p>{{ item.label }}</p>

```

✱ 30 hidden lines |  el-tooltip.item

```

1198      class="item"
1199      effect="dark"
1200      placement="top-start"
1201+     v-if="item.label === 'cbpt01'"
1202   >
1203     <div slot="content" style="text-align: center">

```

```

77+      v-if="item.label === 'BATE01'"
78    >
79+    <template slot="content">
80+      <div style="text-align: center">
81+        <p>{{ item.label }}</p>
82+        <p>{{ item.value }} {{ item.unit }}</p>
83+        <p>Last read {{ item.lastread }}</p>
84+      </div>
85+    </template>
86    <div
87      style="
88        border-radius: 5px;

```

✱ 14 hidden lines |  p

```

103      font-weight: bold;
104    "
105  >
106+    {{ item.label }} <br />{{ item.value }}
107    {{ item.unit }}
108  </p>
109 </div>

```

✱ 3532 hidden lines |  script >  default >  data

```

3642    selects: {
3643      site: "03",
3644      sites: [
3645+        { value: "03", label: "Cameron Highlands" },
3646+        { value: "04", label: "Pulau Pangkor" },
3647      ],
3648      time: "daily",
3649      times: [

```

✱ 95 hidden lines

```

3745    methods: {
3746      getOverview() {
3747        this.datas = [];
3748+      if (this.selects.site !== "" && this.selects.line !== "") {
3749        this.$http
3750      .get(

```


Date From

 Date End

Customer

--Please select--
 PBT
 --Please select--

Waste Type

--Please select--

Search

Export Excel

LIST OF TRANSACTION

No	Site	Ticket No	Customer Code	Vehicle No	Transport Type	Waste Code	PBTCode	Transaction Date	Time In	Time Out	Weight In	Weight Out	Weight Nett	Update by	Type	Date Upload
Site Name: INCINERATOR PULAU PANGKOR (Showing 10 of 767 items. Group continues on the next page.)																
1	IPP	10100	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:14	20:14	5.75	4.4	1.35	Firdaus Sapah	AUTO	31/10/2024 09:25:59
2	IPP	10158	Majuprak Holding Sdn Bhd	BNF7288		DW	MP MANJUNG	31/10/2024	20:13	20:13	6.71	4.63	2.08	Firdaus Sapah	AUTO	31/10/2024 09:25:59
3	IPP	10159	FIR Resources	ABT3799		DW	MP MANJUNG	31/10/2024	20:13	20:14	2.66	1.56	1.1	Firdaus Sapah	AUTO	31/10/2024 09:25:59
4	IPP	10155	Majuprak Holding Sdn Bhd	MCY7280		DW	MP MANJUNG	31/10/2024	20:09	20:10	5.8	4.32	1.48	Firdaus Sapah	AUTO	31/10/2024 09:25:58
5	IPP	10151	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:02	20:02	5.7	4.47	1.23	Firdaus Sapah	AUTO	31/10/2024 09:25:58
6	IPP	10153	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:05	20:05	5.84	4.45	1.39	Firdaus Sapah	AUTO	31/10/2024 09:25:58
7	IPP	10152	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:04	20:04	5.67	4.35	1.32	Firdaus Sapah	AUTO	31/10/2024 09:25:58
8	IPP	10156	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:10	20:11	5.22	4.43	0.79	Firdaus Sapah	AUTO	31/10/2024 09:25:58
9	IPP	10154	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:08	20:09	5.4	4.4	1	Firdaus Sapah	AUTO	31/10/2024 09:25:58
10	IPP	10157	Majuprak Holding Sdn Bhd	CDR3516		DW	MP MANJUNG	31/10/2024	20:11	20:12	5.22	4.33	0.89	Firdaus Sapah	AUTO	31/10/2024 09:25:58
		Total:	11			2	2				3815.230000000000	2781.40	833.740000000000			

cemos_scada...										
cemos_scada... < arms afes...										
weighbridge... suppliers dump_data incinerator... reading_v2 weighbridge... weighbridge_readings...										
Properties Data ER Diagram cemos_scada Databases arms_weightbridge Schemas public Tables weighbridge_readings...										
weighbridge_readings_v3 Enter a SQL expression to filter results (use Ctrl+Space)										
Grid		AZ supplier_code	AZ vehicle_number	AZ update_by	AZ pbtcode	date	123 weigh_in	123 weigh_out	123 weigh_net	AZ product_type_code
25	FIR Resources	ABT3799	Izlan Faizulhazli	MP MANJUNG	2024-11-05	2.37	1.52	0.85	DW	
26	Majuperek Holding Sdn Bhd	MCY7288	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.77	4.28	1.49	DW	
27	Rahman Teh Enterprise	ABD0721	Izlan Faizulhazli	MP MANJUNG	2024-11-05	2.76	1.86	0.9	DW	
28	Majuperek Holding Sdn Bhd	BNF7288	Izlan Faizulhazli	MP MANJUNG	2024-11-05	6.62	4.6	2.02	DW	
29	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.37	4.47	0.9	DW	
30	FIR Resources	ABT3799	Izlan Faizulhazli	MP MANJUNG	2024-11-05	2.64	1.53	1.11	DW	
31	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.06	4.46	0.6	DW	
32	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.86	4.43	1.43	DW	
33	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.54	4.48	1.06	DW	
34	Majuperek Holding Sdn Bhd	CDR3516	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.75	4.4	1.35	DW	
35	Majuperek Holding Sdn Bhd	BNF7288	Firdaus Sapahi	MP MANJUNG	2024-10-31	6.71	4.63	2.08	DW	
36	FIR Resources	ABT3799	Firdaus Sapahi	MP MANJUNG	2024-10-31	2.66	1.56	1.1	DW	
37	Majuperek Holding Sdn Bhd	MCY7288	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.8	4.32	1.48	DW	
38	Majuperek Holding Sdn Bhd	CDR3516	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.7	4.47	1.23	DW	
39	Majuperek Holding Sdn Bhd	CDR3516	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.84	4.45	1.39	DW	
40	Majuperek Holding Sdn Bhd	MCY7288	Izlan Faizulhazli	MP MANJUNG	2024-11-05	5.9	4.28	1.62	DW	
41	Majuperek Holding Sdn Bhd	CDR3516	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.4	4.4	1	DW	
42	Majuperek Holding Sdn Bhd	CDR3516	Firdaus Sapahi	MP MANJUNG	2024-10-31	5.22	4.33	0.89	DW	
43	FIR Resources	ABT3799	Izlan Faizulhazli	MP MANJUNG	2024-10-30	2.58	1.53	1.05	DW	
44	FIR Resources	ABT3799	Izlan Faizulhazli	MP MANJUNG	2024-10-30	1.73	1.53	0.2	DW	
45	Majuperek Holding Sdn Bhd	MCY7288	Izlan Faizulhazli	MP MANJUNG	2024-10-30	6.94	4.31	2.63	DW	
46	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	4.8	4.46	0.34	DW	
47	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.53	4.44	1.09	DW	
48	Majuperek Holding Sdn Bhd	BNF7288	Izlan Faizulhazli	MP MANJUNG	2024-10-30	4.84	4.57	0.27	DW	
49	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.64	4.44	1.2	DW	
50	Rahman Teh Enterprise	ABD0721	Izlan Faizulhazli	MP MANJUNG	2024-10-30	1.97	1.67	0.3	DW	
51	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.34	4.47	0.87	DW	
52	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.72	4.43	1.29	DW	
53	Majuperek Holding Sdn Bhd	CDR3516	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.72	4.46	1.26	DW	
54	Majuperek Holding Sdn Bhd	MCY7288	Izlan Faizulhazli	MP MANJUNG	2024-10-30	5.07	4.3	0.77	DW	
55	Manithasan Enterprise	WGY4161	Izlan Faizulhazli	MP MANJUNG	2024-10-30	2.63	2.38	0.25	DW	
56	Majuperek Holding Sdn Bhd	MCY7288	Izlan Faizulhazli	MP MANJUNG	2024-10-29	5.86	4.3	1.56	DW	
57	Manithasan Enterprise	WGY4161	Izlan Faizulhazli	MP MANJUNG	2024-10-29	2.5	2.29	0.21	DW	
58	FIR Resources	ABT3799	I							

```

Go Run Terminal Help
cemos_weighbridge

AnalyticsController.go x AnalyticsController.go (Working Tree) model.go main.go .env SettingController.go

pkg > controllers > AnalyticsController.go > GetWeighbridgeAnalytics
160 func GetWeighbridgeAnalytics(w http.ResponseWriter, r *http.Request) {
193     var args []interface{}
194
195     // Use generate_series to define interval logic
196     if interval == "daily" {
197         query = `
198         WITH days AS (
199             SELECT generate_series(?:date, ?:date, '1 day'::interval) AS day_date
200         )
201         SELECT
202             TO_CHAR(days.day_date, 'YYYY/MM/DD') AS interval,
203             COALESCE(ROUND(SUM(CASE WHEN product_type_name = 'Bulky Waste' THEN weigh_net ELSE 0 END), 2), 0.00) AS total_bulky_weight,
204             COALESCE(ROUND(SUM(CASE WHEN product_type_name = 'Domestic Waste' THEN weigh_net ELSE 0 END), 2), 0.00) AS total_domestic_weight,
205             COALESCE(ROUND(SUM(CASE WHEN product_type_name = 'Seperation At Source (SAS)' THEN weigh_net ELSE 0 END), 2), 0.00) AS total_sas_weight
206         FROM days
207         LEFT JOIN "weighbridge_readings"
208             ON "time_in"::date = days.day_date
209             AND weighbridge_readings."destination_code" = ?
210             AND weighbridge_readings."supplier_code" = ?
211         LEFT JOIN product_types
212             ON product_types.product_type_code = weighbridge_readings.product_type_code
213         GROUP BY days.day_date
214         ORDER BY days.day_date;
215
216         args = append(args, from_date, to_date, site_id, collector)
217     } else if interval == "weekly" { ...
246     } else if interval == "monthly" {
247     query = ` ...
270
271     args = append(args, from_date, to_date, to_date, site_id, collector)
272     } else if interval == "yearly" {
273     query = ` ...
296
297     args = append(args, from_date, to_date, to_date, site_id, collector)
298     }
  
```

AFES Proc
 GET Get Analyt
 POST Login
 GET Logout
 GET Process D
 GET Get SAS R
 +
 No environment

Weighbridge / Get Analytic Graphs
 Save
 Share

GET
 {{backend_url_main}}/api/v1/analytics/graphs?from=2024-08-01&to=2024-10-01&site-id=03&interval ...
 Send

Params
 Authorization
 Headers (6)
 Body
 Scripts
 Settings
 Cookies

Query Params

☒	Key	Value	Description	*** Bulk Edit
☒	from	2024-08-01		
☒	to	2024-10-01		
☒	site-id	03		
☒	interval	daily		
☒	collector	Rahman Teh Enterprise		
	Key	Value	Description	

Body
 Cookies
 Headers (3)
 Test Results
 201 Created
 205 ms
 6.13 KB
 Save Response

Pretty
 Raw
 Preview
 Visualize
 JSON

```

1 {
2   "error": false,
3   "message": {
4     "IncomingWasteTonnageByCategory": [
5       {
6         "Interval": "2024/08/01",
7         "TotalBulkyWeight": 0,
8         "TotalDomesticWeight": 0,
9         "TotalSasWeight": 0
10      },
11      {
12        "Interval": "2024/08/02",
13        "TotalBulkyWeight": 0,
14        "TotalDomesticWeight": 0,
15        "TotalSasWeight": 0
16      }
17    ]
18  }
19 }
  
```

Select Site:

Pulau Pangkor

Select Collector:

Majuprak Holding Sdn Bhd

Select Time:

Daily

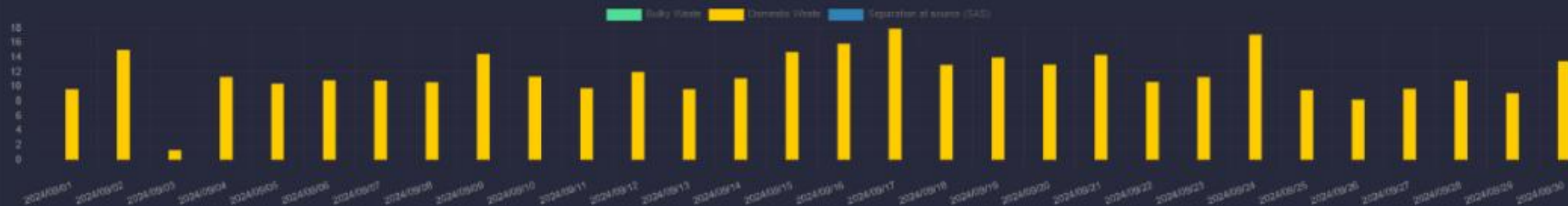
Select Date Range :

2024-09-01

To

2024-09-30

Total Sorting of Waste Collection by Collectors Based on The Following Categories



Total Overall Incoming Waste Tonnage Received



Total Incoming Vehicle by The Following Collectors



Total Incoming Trip by The Following Collectors





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adipiscing elit, sed do eiusmod tempor
incididunt ut labore et dolore magna aliqua.



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adipiscing elit, sed do eiusmod tempor
incididunt ut labore et dolore magna aliqua.

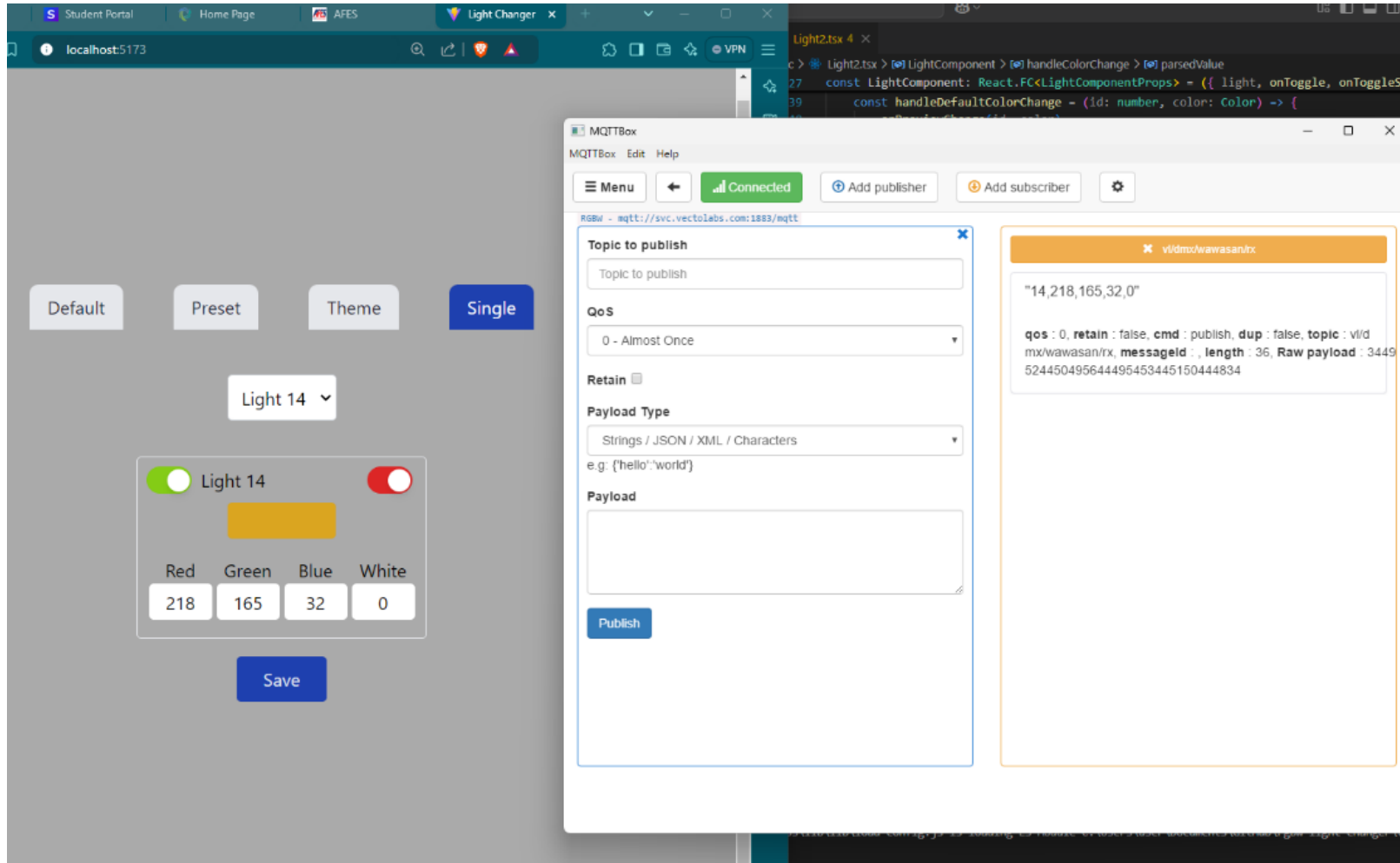


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incididunt ut labore et dolore magna aliqua.



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Side Task



The screenshot displays a web application running on localhost:5173, titled "Light Changer". The interface includes tabs for "Default", "Preset", "Theme", and "Single". Under the "Single" tab, there is a "Light 14" dropdown menu, a toggle switch for "Light 14" (currently on), a color selection area with a yellow box, and a numeric input for "Red" (218), "Green" (165), "Blue" (32), and "White" (0). A "Save" button is located below these inputs.

Overlaid on the web application is the MQTTBox interface, which shows a "Connected" status. The "Topic to publish" field is set to "vtdmx/wawasan/rx". The "QoS" is set to "0 - Almost Once", and the "Payload Type" is "Strings / JSON / XML / Characters". The "Payload" field is empty. A "Publish" button is visible at the bottom of the MQTTBox window.

The MQTTBox window also displays a message received on the topic "vtdmx/wawasan/rx". The message content is "14,218,165,32,0". The message details show: qos : 0, retain : false, cmd : publish, dup : false, topic : vtdmx/wawasan/rx, messageid : , length : 36, Raw payload : 3449524450495644495453445150444834.



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https://vectolabstech.sharepoint.com/sites/vtsb/Shared%20Documents/Forms/AllItems.aspx?isAscending=false&OR=Teams-HL&CT=1736317888034&clickparams=eyJ8cHBOYW11Ijo1V

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Documents > Project > ePRF > Supporting Document > User Acceptance Test

Name	Modified	Modified By	Content Type	File Size
rev User Acceptance Test - Jambatan Wawa...	December 31, 2024	Azri Kadir	Document	5.85 MB
rev UAT_incoming mobile app(after uat)_v3....	December 18, 2024	Alia Nadzirah Mohd Adnai	Document	125 KB
rev UAT - Registration Module_V2 (1).docx	November 11, 2024	Wan Mohd Asyraf Wan Za	Document	175 KB
rev UAT - Incoming Module Web_after UAT...	November 7, 2024	Hibban Kamil	Document	242 KB
rev Outgoing UAT Web 3 (2)1.docx	November 29, 2024	Wan Mohd Asyraf Wan Za	Document	116 KB
rev ERPF UAT - Sales UAT Web(30082024).d...	November 27, 2024	Wan Mohd Asyraf Wan Za	Document	110 KB
rev ERPF UAT - Sales UAT Mobile (30082024...	December 4, 2024	Azri Kadir	Document	100 KB
rev ERPF UAT - Pre-Processing (Web)_V4.d...	November 7, 2024	Hibban Kamil	Document	62.0 KB
rev ERPF UAT - Pre-Processing (Mobile Ap...	November 7, 2024	Hibban Kamil	Document	62.1 KB
rev ERPF UAT - Inventory_V31.docx	November 11, 2024	Wan Mohd Asyraf Wan Za	Document	54.0 KB

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