

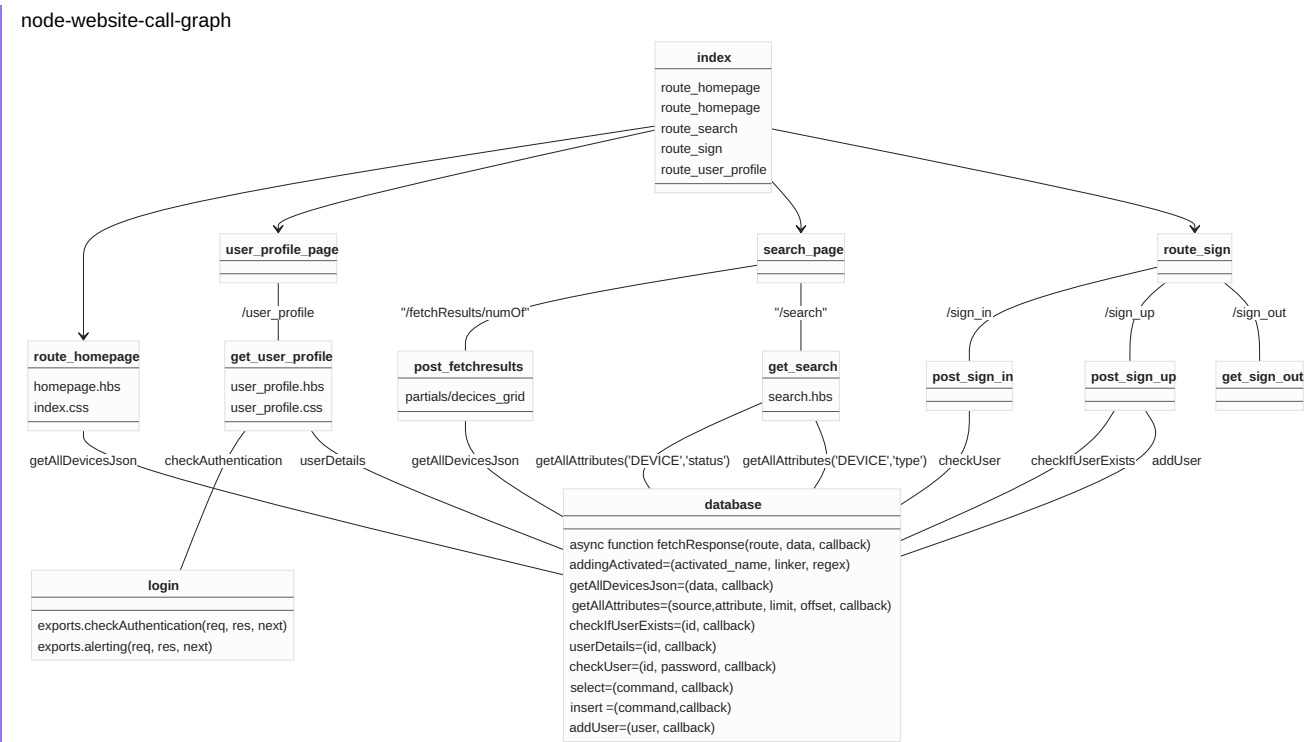
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## Call Graphs

### Database



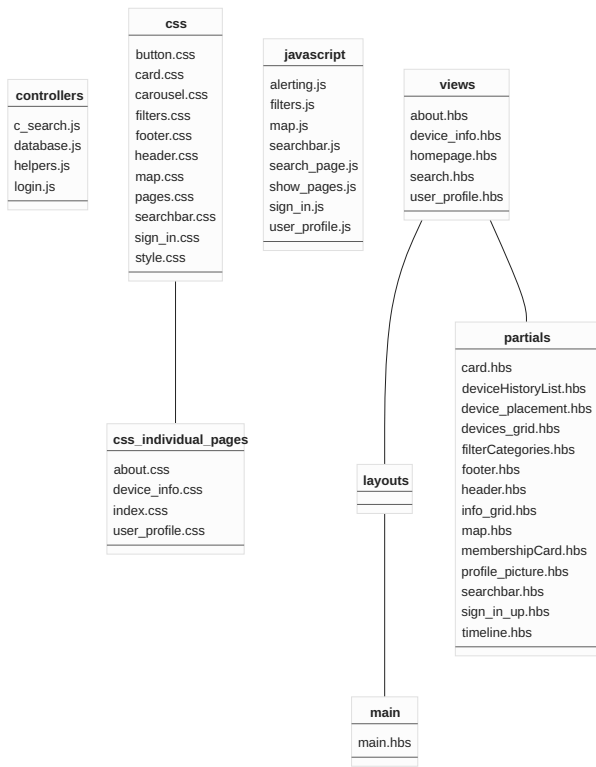
### Website Routes



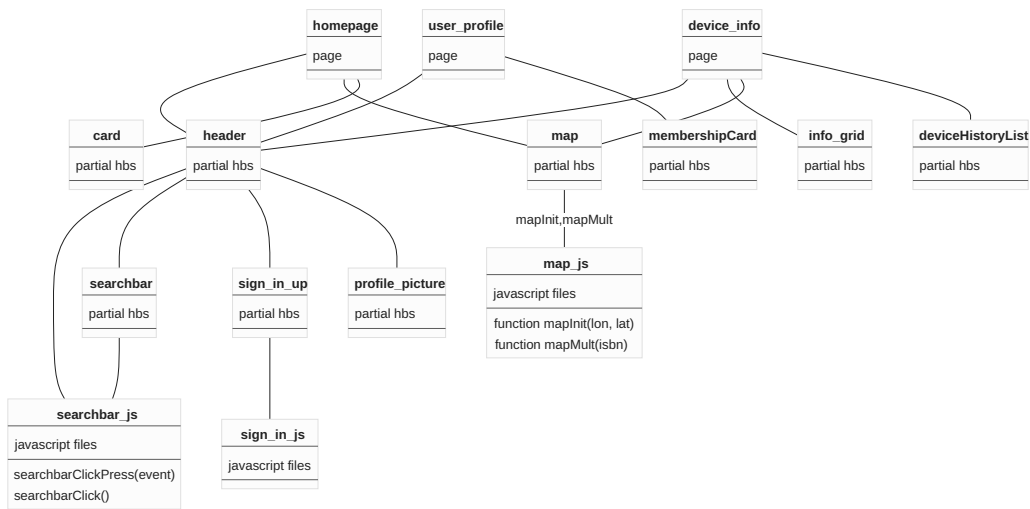
### Website Handlebars and Javascript

node-website-hbs-call-graph

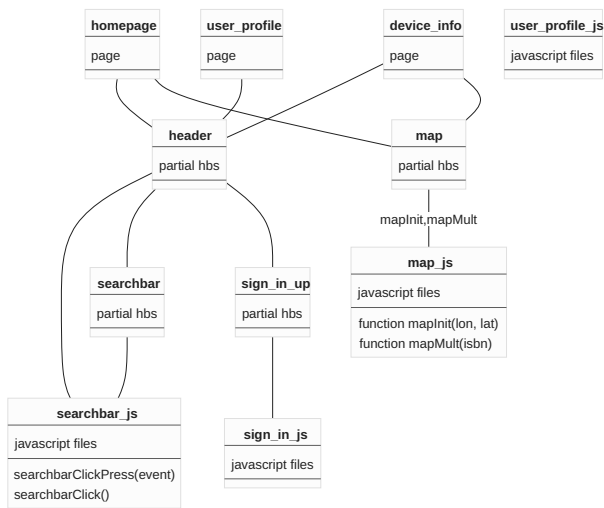
### Folders and files



## Connections HBS



## Connections JS



## File Trees

### node-servers-file-tree

node-servers-file-tree

```
1  └─ node_servers
2    └─ website
3        └─ controllers
4            └─ c_search.js
5            └─ database.js
6            └─ helpers.js
7            └─ login.js
8        └─ docs
9            └─ index.md
10       └─ index.js
11       └─ model
12           └─ sessions
13               └─ random.txt
14               └─ session.sqlite
15       └─ package.json
16       └─ package-lock.json
17       └─ Procfile
18       └─ public
19           └─ css
20               └─ button.css
21               └─ card.css
22               └─ carousel.css
23               └─ filters.css
24               └─ footer.css
25               └─ header.css
26               └─ individual_pages
27                   └─ about.css
28                   └─ device_info.css
29                   └─ index.css
30                   └─ user_profile.css
31               └─ map.css
32               └─ pages.css
33               └─ searchbar.css
34               └─ sign_in.css
35               └─ style.css
36       └─ img
37           └─ banner.jpg
38           └─ banner.png
39           └─ borrowing_card.svg
40           └─ button.png
41           └─ card_book_1.png
42           └─ card_book_2.png
43           └─ card_book_3.png
44           └─ card_book_4.png
45           └─ card_book_5.png
46           └─ card_book_default.jpg
47           └─ card_library_1.png
48           └─ card_library_2.png
49           └─ card_library_3.png
50           └─ card_library_4.png
51           └─ card_library_5.png
52           └─ demo_pic_311_281.png
53           └─ ellipse_1.png
54           └─ geo-alt-fill.png
55           └─ geo-alt-fill.svg
56           └─ globe_no_bg.png
57           └─ gps-over.png
58           └─ gps-side.png
59           └─ gps-under.png
60           └─ hand-drawn-flat-design-stack-books
61               └─ 6897387.ai
62               └─ 6897388.eps
63               └─ 6897389.jpg
64               └─ Fonts.txt
65           └─ hand-drawn-flat-design-stack-books.zip
66           └─ imgPlaceholder.png
67           └─ kotorenis_profile.png
68           └─ letter_G.png
69           └─ library_image_1.svg
70           └─ logo_background.png
71           └─ logo_bg.svg
72           └─ logo-horizontal.svg
73           └─ logo_no_bg.png
74           └─ logo.png
75           └─ logo_small.svg
76           └─ logo_vertical.png
77           └─ logo_vertical.svg
78           └─ logo_white_bg.png
79           └─ logo_white_filling.png
80           └─ logo_white_filling.svg
```

```

81 | | | | | logo_white.png
82 | | | | | nikolas_profile.jpg
83 | | | | | person-fill.svg
84 | | | | | pin-fill.svg
85 | | | | | pin.png
86 | | | | | progress.png
87 | | | | | rectangle_15.png
88 | | | | | javascript
89 | | | | | | alerting.js
90 | | | | | | filters.js
91 | | | | | | map.js
92 | | | | | | searchbar.js
93 | | | | | | search_page.js
94 | | | | | | show_pages.js
95 | | | | | | sign_in.js
96 | | | | | | user_profile.js
97 | | | | | routes
98 | | | | | | route_about.js
99 | | | | | | route_device_info.js
100 | | | | | | route_homepage.js
101 | | | | | | route_search.js
102 | | | | | | route_sign.js
103 | | | | | | route_user_profile.js
104 | | | | | views
105 | | | | | | about.hbs
106 | | | | | | book_info_og.hbs
107 | | | | | | device_info.hbs
108 | | | | | | homepage.hbs
109 | | | | | | layouts
110 | | | | | | | main.hbs
111 | | | | | | partials
112 | | | | | | | card_copy.hbs
113 | | | | | | | card.hbs
114 | | | | | | | deviceHistoryList.hbs
115 | | | | | | | device_placement.hbs
116 | | | | | | | devices_grid.hbs
117 | | | | | | | filterCategories.hbs
118 | | | | | | | footer.hbs
119 | | | | | | | header.hbs
120 | | | | | | | info_grid.hbs
121 | | | | | | | map.hbs
122 | | | | | | | membershipCard.hbs
123 | | | | | | | profile_picture.hbs
124 | | | | | | | searchbar.hbs
125 | | | | | | | sign_in_up.hbs
126 | | | | | | | timeline.hbs
127 | | | | | | print_list.hbs
128 | | | | | | search.hbs
129 | | | | | | user_profile.hbs
130 |

```

## node-website-file-tree

node-website-file-tree

```

1 | website
2 | | controllers
3 | | | c_search.js
4 | | | database.js
5 | | | helpers.js
6 | | | login.js
7 | | docs
8 | | | index.md
9 | | index.js
10 | | model
11 | | | sessions
12 | | | | random.txt
13 | | | | session.sqlite
14 | | public
15 | | | css
16 | | | | button.css
17 | | | | card.css
18 | | | | carousel.css
19 | | | | filters.css
20 | | | | footer.css
21 | | | | header.css
22 | | | | individual_pages
23 | | | | | about.css
24 | | | | | device_info.css
25 | | | | | index.css

```

```

26 |         |   └─ user_profile.css
27 |         |   └─ map.css
28 |         |   └─ pages.css
29 |         |   └─ searchbar.css
30 |         |   └─ sign_in.css
31 |         |   └─ style.css
32 |         |   └─ img
33 |         |   └─ javascript
34 |         |       └─ alerting.js
35 |         |       └─ filters.js
36 |         |       └─ map.js
37 |         |       └─ searchbar.js
38 |         |       └─ search_page.js
39 |         |       └─ show_pages.js
40 |         |       └─ sign_in.js
41 |         |       └─ user_profile.js
42 |     └─ routes
43 |         └─ route_about.js
44 |         └─ route_device_info.js
45 |         └─ route_homepage.js
46 |         └─ route_search.js
47 |         └─ route_sign.js
48 |         └─ route_user_profile.js
49 | └─ views
50 |     └─ about.hbs
51 |     └─ book_info_og.hbs
52 |     └─ device_info.hbs
53 |     └─ homepage.hbs
54 |     └─ layouts
55 |         └─ main.hbs
56 |     └─ partials
57 |         └─ card_copy.hbs
58 |         └─ card.hbs
59 |         └─ deviceHistoryList.hbs
60 |         └─ device_placement.hbs
61 |         └─ devices_grid.hbs
62 |         └─ filterCategories.hbs
63 |         └─ footer.hbs
64 |         └─ header.hbs
65 |         └─ info_grid.hbs
66 |         └─ map.hbs
67 |         └─ membershipCard.hbs
68 |         └─ profile_picture.hbs
69 |         └─ searchbar.hbs
70 |         └─ sign_in_up.hbs
71 |         └─ timeline.hbs
72 |     └─ print_list.hbs
73 |     └─ search.hbs
74 |     └─ user_profile.hbs

```

## node-database-server-file-tree

node-database-server-file-tree

```

1 | database_server
2 | └─ controllers
3 |     └─ database.js
4 |         └─ Functions that communicate with the sqlite file
5 | └─ docs
6 |     └─ some documentation
7 | └─ index.js
8 |     └─ Starts the database server
9 | └─ model
10 |     └─ Files for creating the database
11 | └─ routes
12 |     └─ route_database.js
13 |         └─ route_device_info.js
14 |             └─ Contains all the routes used by the connector_server.py

```

## python-servers-file-tree

python-servers-file-tree

```

1 | └─ python_servers
2 |     └─ files
3 |     └─ logs
4 |     └─ requirements.txt
5 |     └─ src
6 |         └─ broker.py
7 |         └─ button_sensor.py

```

```

8 |         | connector_server.py
9 |         | context_provider.py
10 |        | publisher_broker.py
11 |        | sensor_context_provider.py
12 |        | subscriber_broker.py
13 |        | tracker_sensor.py
14 |        | virtual_sensor.py
15 |    | README.md

```

## docs-file-tree

docs-file-tree

```

1 | docs
2 |   | database
3 |   |   | code_explanation_cg.md
4 |   |   | dbDesigner
5 |   |   |   | dbdesigner_link.txt
6 |   |   |   | dbdesigner_markup.txt
7 |   |   |   | schema_iot.png
8 |   |   | erd
9 |   |   |   | diagram.erdm
10 |   |   |   | erd_iot.png
11 |   | documentation
12 |   |   | files_keeping
13 |   |   |   | command.sh
14 |   |   |   | conf.py
15 |   |   |   | conf.py.bak2
16 |   |   |   | index.rst
17 |   |   |   | Makefile
18 |   |   |   | README.md
19 |   |   | general_documentation
20 |   |   |   | file_tree.md
21 |   |   |   | project_tree.md
22 |   |   |   | tree_command.sh
23 |   |   | index-documentation.md
24 |   |   | mqtt-broker-useful-new-message.md
25 |   |   | node_documentation
26 |   |   | Notes to implement.md
27 |   |   | orion-context-provider.md
28 |   |   | python_documentation
29 |   |   |   | broker.rst
30 |   |   |   | button_sensor.rst
31 |   |   |   | command.sh
32 |   |   |   | conf.py
33 |   |   |   | connector_server.rst
34 |   |   |   | context_provider.rst
35 |   |   |   | index.rst
36 |   |   |   | make.bat
37 |   |   |   | Makefile
38 |   |   |   | modules.rst
39 |   |   |   | publisher_broker.rst
40 |   |   |   | README.md
41 |   |   |   | sensor_context_provider.rst
42 |   |   |   | subscriber_broker.rst
43 |   |   |   | tracker_sensor.rst
44 |   |   |   | virtual_sensor.rst
45 |   |   | README_link.md
46 |   |   | requirements.txt
47 |   |   | ToDo.md
48 |   |   | Web Servers Architecture.md
49 |   | presentation
50 |   |   | Παρουσίαση Τελικό 1.0.pdf
51 |   | report
52 |   | website
53 |   |   | Iot website .sdocx
54 |   |   | Website iot .pdf
55 |

```

## file\_tree

file\_tree

```

1 |
2 | | docker-compose.yml
3 | | DockerFiles
4 | |   | Copies
5 | |   |   | Dockerfile-Node
6 | |   |   | Dockerfile-Python
7 | |   | Volumes

```

```
8 |   |   | Dockerfile-Database
9 |   |   | Dockerfile-Node
10 |   |   | Dockerfile-Node-ci
11 |   |   | Dockerfile-Python
12 |   |   | Dockerfile-Website
13 |   | node_servers
14 |   |   | database_server
15 |   |   |   | controllers
16 |   |   |   |   | database.js
17 |   |   |   | docs
18 |   |   |   |   | index.md
19 |   |   |   | index.js
20 |   |   |   | model
21 |   |   |   |   | data
22 |   |   |   |   |   | device.csv
23 |   |   |   |   |   | users.csv
24 |   |   |   |   | database.sqlite
25 |   |   |   |   | payload
26 |   |   |   |   |   | status.json
27 |   |   |   |   |   | tracker.json
28 |   |   |   |   | python
29 |   |   |   |   |   | database_managing.py
30 |   |   |   |   |   | database.py
31 |   |   |   |   | sessions
32 |   |   |   |   |   | random.txt
33 |   |   |   |   |   | session.sqlite
34 |   |   |   |   | sql
35 |   |   |   |   |   | create_database.sql
36 |   |   |   |   |   | database_queries.sql
37 |   |   |   | package.json
38 |   |   |   | package-lock.json
39 |   |   |   | public
40 |   |   |   | routes
41 |   |   |   |   | route_database.js
42 |   |   |   |   | route_device_info.js
43 |   |   |   |   | route_homepage.js
44 |   |   | website
45 |   |   |   | controllers
46 |   |   |   |   | c_search.js
47 |   |   |   |   | database.js
48 |   |   |   |   | helpers.js
49 |   |   |   |   | login.js
50 |   |   |   | docs
51 |   |   |   |   | index.md
52 |   |   |   | index.js
53 |   |   |   | model
54 |   |   |   |   | sessions
55 |   |   |   |   |   | random.txt
56 |   |   |   |   |   | session.sqlite
57 |   |   |   | package.json
58 |   |   |   | package-lock.json
59 |   |   |   | Procfile
60 |   |   |   | public
61 |   |   |   |   | css
62 |   |   |   |   |   | button.css
63 |   |   |   |   |   | card.css
64 |   |   |   |   |   | carousel.css
65 |   |   |   |   |   | filters.css
66 |   |   |   |   |   | footer.css
67 |   |   |   |   |   | header.css
68 |   |   |   |   |   | individual_pages
69 |   |   |   |   |   |   | about.css
70 |   |   |   |   |   |   | device_info.css
71 |   |   |   |   |   |   | index.css
72 |   |   |   |   |   |   | user_profile.css
73 |   |   |   |   |   | map.css
74 |   |   |   |   |   | pages.css
75 |   |   |   |   |   | searchbar.css
76 |   |   |   |   |   | sign_in.css
77 |   |   |   |   |   | style.css
78 |   |   |   |   | img
79 |   |   |   |   |   | banner.jpg
80 |   |   |   |   |   | banner.png
81 |   |   |   |   |   | borrowing_card.svg
82 |   |   |   |   |   | button.png
83 |   |   |   |   |   | card_book_1.png
84 |   |   |   |   |   | card_book_2.png
85 |   |   |   |   |   | card_book_3.png
86 |   |   |   |   |   | card_book_4.png
87 |   |   |   |   |   | card_book_5.png
88 |   |   |   |   |   | card_book_default.jpg
```

```

89 | | | | | card_library_1.png
90 | | | | | card_library_2.png
91 | | | | | card_library_3.png
92 | | | | | card_library_4.png
93 | | | | | card_library_5.png
94 | | | | | demo_pic_311_281.png
95 | | | | | ellipse_1.png
96 | | | | | geo-alt-fill.png
97 | | | | | geo-alt-fill.svg
98 | | | | | globe_no_bg.png
99 | | | | | gps-over.png
100 | | | | | gps-side.png
101 | | | | | gps-under.png
102 | | | | | hand-drawn-flat-design-stack-books
103 | | | | | | 6897387.ai
104 | | | | | | 6897388.eps
105 | | | | | | 6897389.jpg
106 | | | | | | Fonts.txt
107 | | | | | hand-drawn-flat-design-stack-books.zip
108 | | | | | imgPlaceholder.png
109 | | | | | kotorenis_profile.png
110 | | | | | letter_G.png
111 | | | | | library_image_1.svg
112 | | | | | logo_background.png
113 | | | | | logo_bg.svg
114 | | | | | logo-horizontal.svg
115 | | | | | logo_no_bg.png
116 | | | | | logo.png
117 | | | | | logo_small.svg
118 | | | | | logo_vertical.png
119 | | | | | logo_vertical.svg
120 | | | | | logo_white_bg.png
121 | | | | | logo_white_filling.png
122 | | | | | logo_white_filling.svg
123 | | | | | logo_white.png
124 | | | | | nikolas_profile.jpg
125 | | | | | person-fill.svg
126 | | | | | pin-fill.svg
127 | | | | | pin.png
128 | | | | | progress.png
129 | | | | | rectangle_15.png
130 | | | | | javascript
131 | | | | | | alerting.js
132 | | | | | | filters.js
133 | | | | | | map.js
134 | | | | | | searchbar.js
135 | | | | | | search_page.js
136 | | | | | | show_pages.js
137 | | | | | | sign_in.js
138 | | | | | | user_profile.js
139 | | | | | routes
140 | | | | | | route_about.js
141 | | | | | | route_device_info.js
142 | | | | | | route_homepage.js
143 | | | | | | route_search.js
144 | | | | | | route_sign.js
145 | | | | | | route_user_profile.js
146 | | | | | views
147 | | | | | | about.hbs
148 | | | | | | book_info_og.hbs
149 | | | | | | device_info.hbs
150 | | | | | | homepage.hbs
151 | | | | | | layouts
152 | | | | | | | main.hbs
153 | | | | | | partials
154 | | | | | | | card copy.hbs
155 | | | | | | | card.hbs
156 | | | | | | | deviceHistoryList.hbs
157 | | | | | | | device_placement.hbs
158 | | | | | | | devices_grid.hbs
159 | | | | | | | filterCategories.hbs
160 | | | | | | | footer.hbs
161 | | | | | | | header.hbs
162 | | | | | | | info_grid.hbs
163 | | | | | | | map.hbs
164 | | | | | | | membershipCard.hbs
165 | | | | | | | profile_picture.hbs
166 | | | | | | | searchbar.hbs
167 | | | | | | | sign_in_up.hbs
168 | | | | | | | timeline.hbs
169 | | | | | | print_list.hbs

```



```
170 |         | search.hbs
171 |         | user_profile.hbs
172 | python_servers
173 |     | files
174 |     | logs
175 |         | broker_2.log
176 |         | broker.log
177 |         | button_press_00.json
178 |         | button_press_01.json
179 |         | button_press.json
180 |         | button.zip
181 |         | context_provider.log
182 |         | test.json
183 |         | tracker_moved.json
184 |         | tracker_no_movement.json
185 |     | requirements.txt
186 |     | src
187 |         | broker.py
188 |         | button_sensor.py
189 |         | connector_server.py
190 |         | context_provider.py
191 |         | publisher_broker.py
192 |         | sensor_context_provider.py
193 |         | subscriber_broker.py
194 |         | tracker_sensor.py
195 |         | virtual_sensor.py
196 |     | README.md
```