



Project Report II- DELTA

Team Members:

1. Anitta Davis Mundassery
2. Archana Sekhar
3. Eza Mariyam Robin
4. Sandra Anna Biju

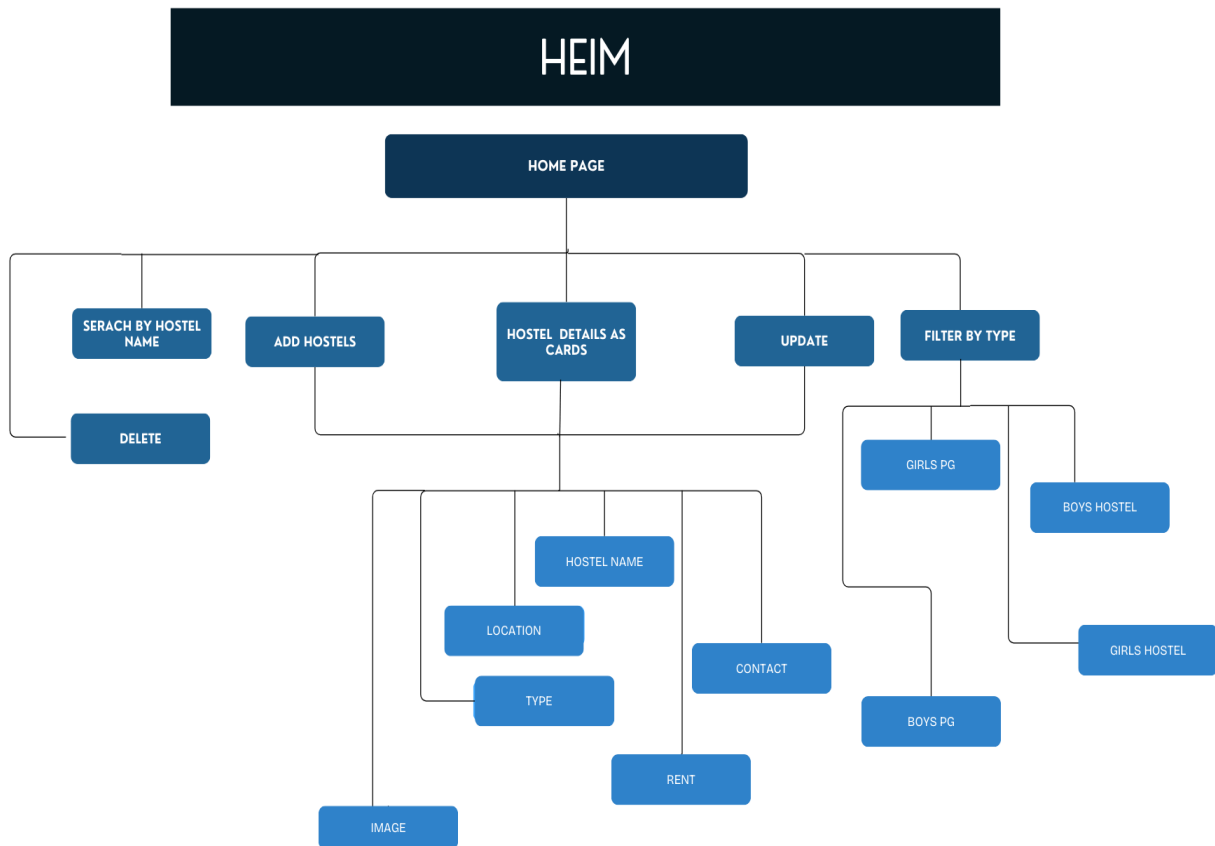
Domain: Software

Project Abstract:

The project "Heim" is designed to develop a user-friendly website that provides detailed information about hostels and PGs (Paying Guest) accommodations near Govt. Model Engineering College. The platform aims to make it easier for students to find suitable accommodations by offering key features such as search functionality, filter options (PG/Hostel, Boys/Girls), and a responsive interface. Built with React for the front end, the website ensures a responsive and engaging user experience. Users will be able to view accommodation details through cards that display essential information like price, address and contact details. Additionally, Heim allows users to update and insert new information, keeping the listings current and accurate. The back end of the website is powered by Spring Boot, and the data is stored and managed using MySQL. Overall this project is focused on creating an efficient and dynamic platform for users to explore various accommodation options around the college.



Working of the Project:



Tech Stacks Used:

Front-end : React

Back-end : Spring Boot

Database : MySQL

Total Cost for the project: Nil



Images:

Back-end

```
src > main > java > com > demo > hostel_management > controller > HostController.java > HostController > createHostel(hostel)
114 public class HostController {
115     public ResponseEntity<String> deleteHostel(@PathVariable Long id) {
116         log.error("error occurred while deleting hostels: {} ", e.getMessage());
117         return ResponseEntity.status(HttpStatus.INTERNAL_SERVER_ERROR).build(); // 500 Internal Server Error
118     }
119
120     @GetMapping("/hostelbyname")
121     public ResponseEntity<List<Hostel>> getHostelByName(@RequestParam String hostelName) {
122         try {
123             List<Hostel> hostelList = hostelService.getHostelByName(hostelName);
124             return ResponseEntity.ok(hostelList);
125         } catch (EntityNotFoundException e) {
126             log.error("Unable to fetch the list of hostels: {} ", e.getMessage());
127             return ResponseEntity.status(HttpStatus.NOT_FOUND).build(); // 404 Not Found
128         } catch (Exception e) {
129             log.error("Error occurred while fetching hostels: {} ", e.getMessage());
130             return ResponseEntity.status(HttpStatus.INTERNAL_SERVER_ERROR).build(); // 500 Internal Server Error
131         }
132     }
133 }
134
135 re id=1]; SQL [update hostel set address=?,contact=?,hostel_name=?,image_url=?,rent=?,type=? where id=?]
2025-01-20T13:44:02.695+05:30 WARN 26692 --- [hostel-management] [nio-8080-exec-9] o.h.engine.jdbc.spi.SqlExceptionHelper : SQL Error: 1406, SQLState: 22001
2025-01-20T13:44:02.695+05:30 ERROR 26692 --- [hostel-management] [nio-8080-exec-9] o.h.engine.jdbc.spi.SqlExceptionHelper : Data truncation: Data too long for column '
image_url' at row 1
2025-01-20T13:44:02.702+05:30 ERROR 26692 --- [hostel-management] [nio-8080-exec-9] c.d.h.controller.HostController : Error occurred while updating hostel: could
not execute statement [Data truncation: Data too long for column 'image_url' at row 1] [update hostel set address=?,contact=?,hostel_name=?,image_url=?,rent=?,type=? whe
re id=?]; SQL [update hostel set address=?,contact=?,hostel_name=?,image_url=?,rent=?,type=? where id=?]
2025-01-20T15:50:20.457+05:30 WARN 26692 --- [hostel-management] [1-1 housekeeper] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Thread starvation or clock l
ap detected (housekeeper delta=1m15s960ms6934+500ms).
2025-01-20T19:06:53.700+05:30 WARN 26692 --- [hostel-management] [1-1 housekeeper] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Thread starvation or clock l
ap detected (housekeeper delta=1h1m31s200ms808+330ms).
2025-01-20T20:20:18.334+05:30 WARN 26692 --- [hostel-management] [1-1 housekeeper] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Thread starvation or clock l
ap detected (housekeeper delta=4m23s613ms8134+500ms).
2025-01-20T21:00:47.758+05:30 WARN 26692 --- [hostel-management] [1-1 housekeeper] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Thread starvation or clock l
ap detected (housekeeper delta=13m29s39ms146+510ms).
```

Front-end

```
src > components > hostels-list > Hostels.jsx > Hostels > outline
18 const Hostels = () => {
19     onChange=(e) => setSearchTerm(e.target.value)
20 }
21
22 /* Filter Dropdown */
23 <select
24     className="form-control w-25"
25     value={selectedType}
26     onChange=(e) => setSelectedType(e.target.value)
27 >
28     <option value="">Filter by type:</option>
29     <option value="boys hostel">Boys Hostel</option>
30     <option value="boys pg">Boys PG</option>
31     <option value="girls hostel">Girls Hostel</option>
32     <option value="girls pg">Girls PG</option>
33 </select>
34
35 /* Display filtered hostels */
36 {filteredHostels.length > 0 ? (
37     <div className="row" style={{ width: "1250px", minWidth: "1250px" }}>
38         {filteredHostels.map(hostel) => (
39             <Hostel key={hostel.id} hostel={hostel} onDelete={handleDelete} />
40         )}
41     </div>
42 ) : null}
43
44 VITE v6.0.6 ready in 223 ms
45
46 Local: http://localhost:5173/
47 Network: use --host to expose
48 press h + enter to show help
```



Govt. Model
Engineering
College, Kochi



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Project working video:

<https://drive.google.com/file/d/1z0F2RYBYS6MPQHqeSQ3AYcG48MtDBltj/view?usp=drivesdk>