**Company name:** Greenhouse Benchmarking  
**Products:** Selling and developing automated greenhouse systems. Some examples of systems they sell:

<https://www.youtube.com/channel/UCF_C2dvFUEKvoMHZYHUDm4g>

**Main objective:**

Greenhouse benchmarking is a new company (originally part of Logiqs B.V.) and wants a website, including logo and design, in order to sell their “rolling benches” product easily and minimum client input. Clients should be able to:

1. Visit the website
2. Create an account and/or login
3. Add parameters of their greenhouse
   1. Greenhouse width **(GW)**
   2. Greenhouse length **(GL)**
   3. Container width **(CW)**
   4. Container length **(CL)**
   5. Container height **(CH)**
4. Automatically calculate the pipetrack length and amount, transport track dimension and amount and container amount that maximally fit in their greenhouse (calculations are showed on the second page)
5. Reproduce their greenhouse based on calculated parameters in 3D and 2D model and show a total price
6. Clients should be able to adjust parameters and their price should be adjusted real-time.
7. Once satisfied, directed to the shipping page and order products that they bought.

On top of this, Greenhouse benchmarking wants to track user and costumer’s behavior when visiting their website. This way, they can always improve and maximize user experience.

**Client’s imput**

* Greenhouse width **(GW)**
* Greenhouse length **(GL)**
* Container width **(CW)**
* Container length **(CL)**
* Container height **(CH)**

**Calculation**

* Pipetrack length **(PL)** = **GL – 2\*CW + 0,40 =**
* Container amount = **Container amount in length \* container amount in width**
  + Container amount in length = **PL** / **CW**
  + Container amount in width = **GL** / **CL**
* Pipetrack amount = **Container amount in width**
* Transport track width = **CW** + **0,20**
* Transport track length = **CL**
* Transport section amount = **Pipetrack amount \* 2**

**Output (costs calculation)**

Pipetrack amount \* Pipetrack length (costs per m)

Transport section amount \* Transport section dimension (costs per m)

Container amount \* container dimenstions (costs per m)