**Name: Amritpal**

**ID: 3157351**

**Title: Inventory System**

**Task 1 - Identify the problem**

**Call Discussion with Client: Harsimran**

I am writing the matter call record with Harsimran. He has his Inventory store. he needs a software to maintain the records of the inventories. He wants to maintain all the parts in his business where he is facing so many problems to maintain the record. he always wastes so much time to find the maintain record on manually. so he has to face so many difficulties to maintain the record for future. So he needs an application for the record maitence.

**Task 2 - Define and document requirements**

Requirement of The Software

Scope of Work

*Features: I am going to create software of on Inventory mgt system. Which will be fully automated and harsimran can maintain and store the data for future. This software will be fully dependent on the inventory system. This system is fully secure. Harsimran can save his records and keep it for the future very securely and efficiently.*

*Functional Requirements: Demanded requirements by end user:-*

1. *he wants categories module in the software.*
2. *He wants Product module in the software.*
3. *He wants the record of stock maintain.*
4. *He wants login and logout facility in the software.*

*Non-functional requirements:*

1. System should be portable.
2. System should be secure.
3. System should be flexible.
4. Performance of system should be good.
5. System should be reliable.

Time: It will take minimum 19 days to complete.

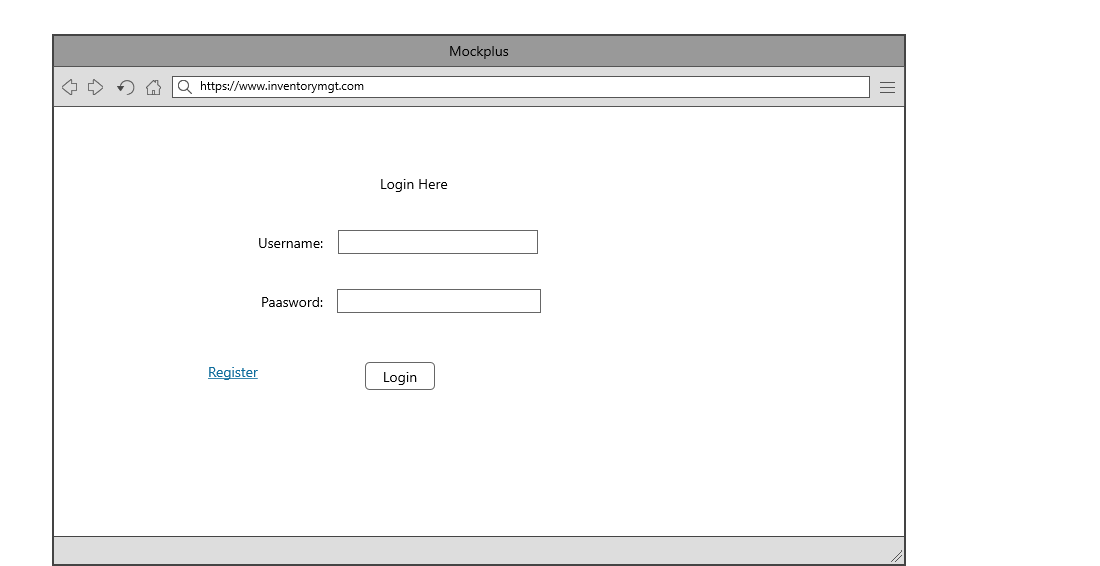
The 4 essential steps of the Risk Management Process are:

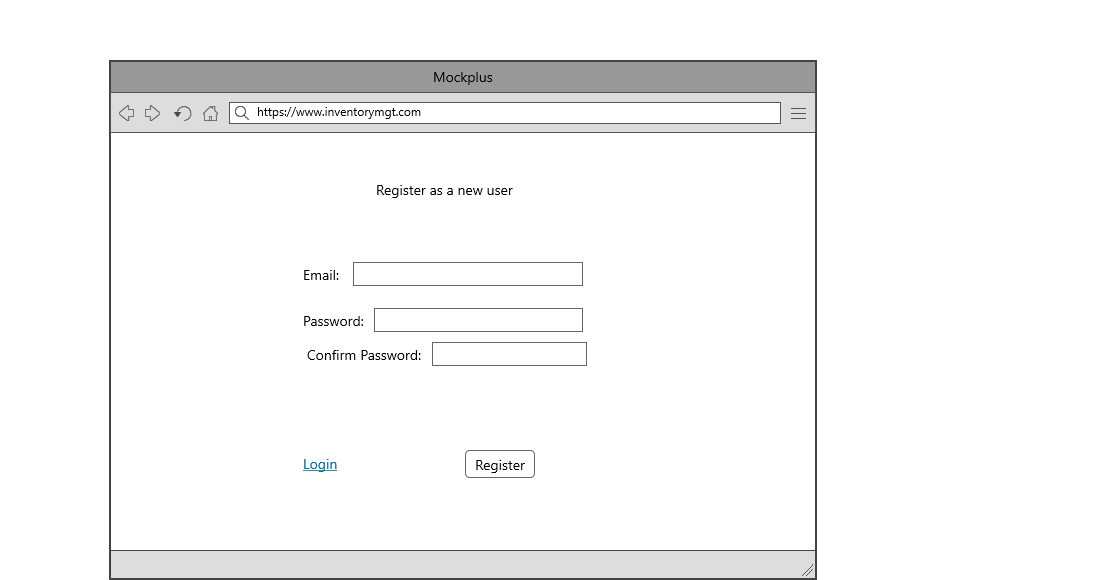
1. Identify the risk.
2. Assess the risk.
3. Treat the risk.
4. Monitor and Report on the risk.

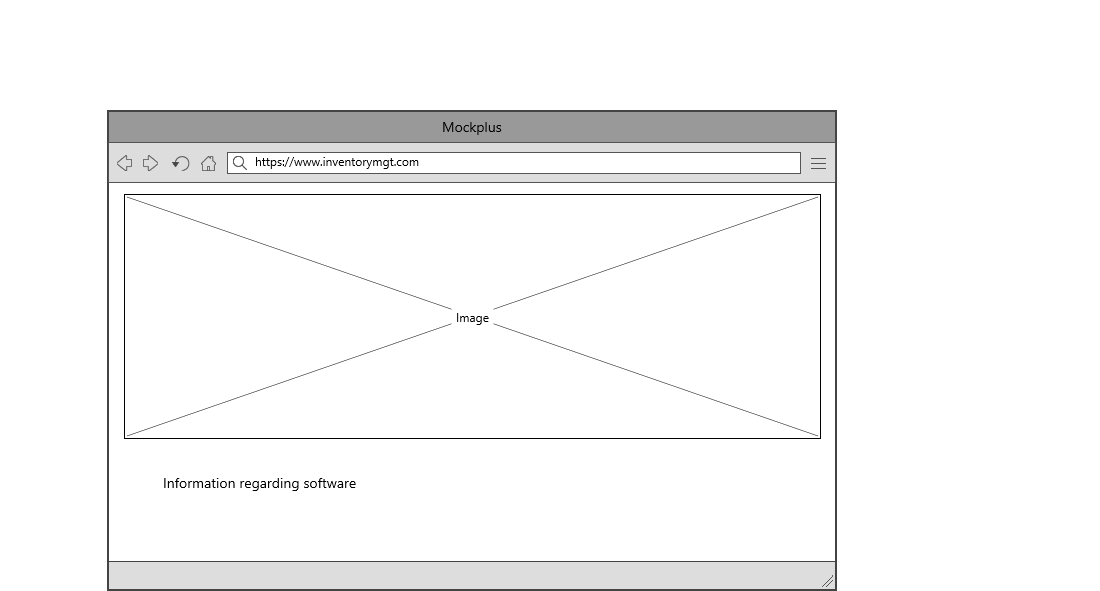
Cost: $640

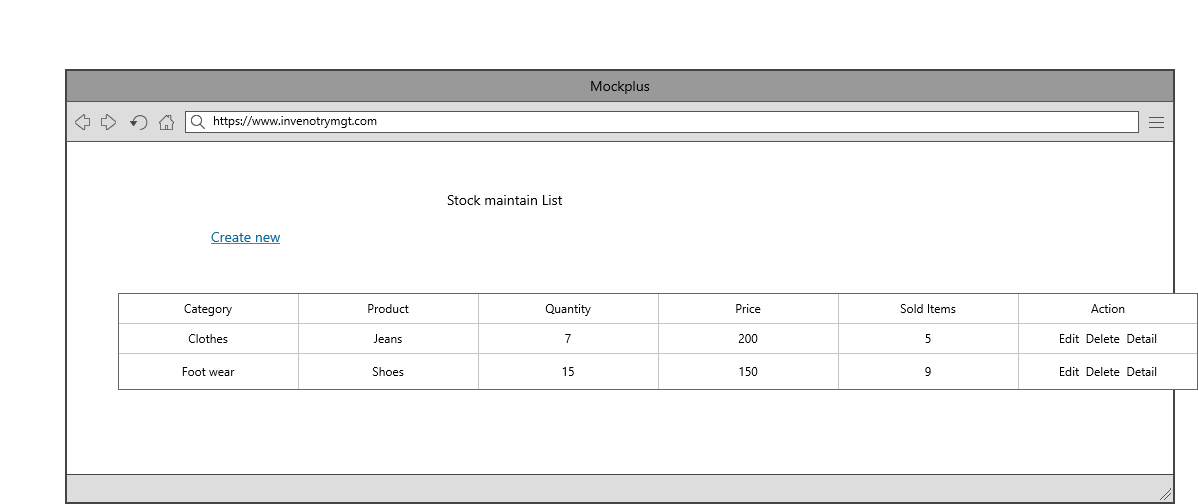
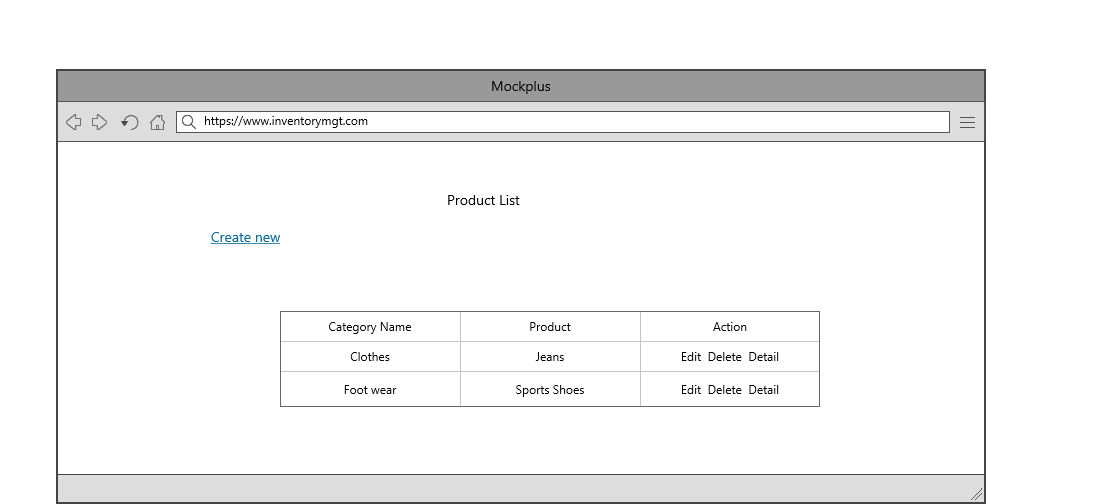
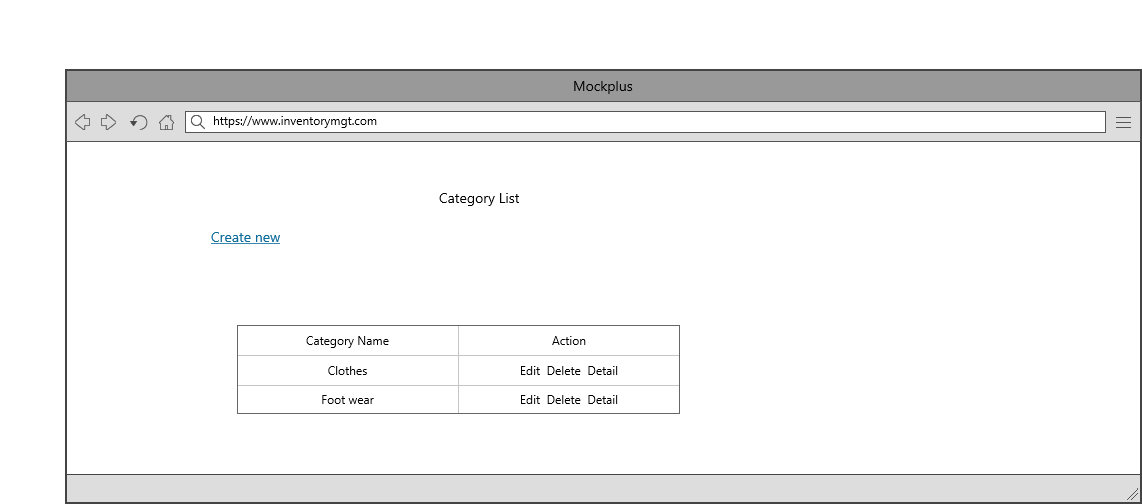
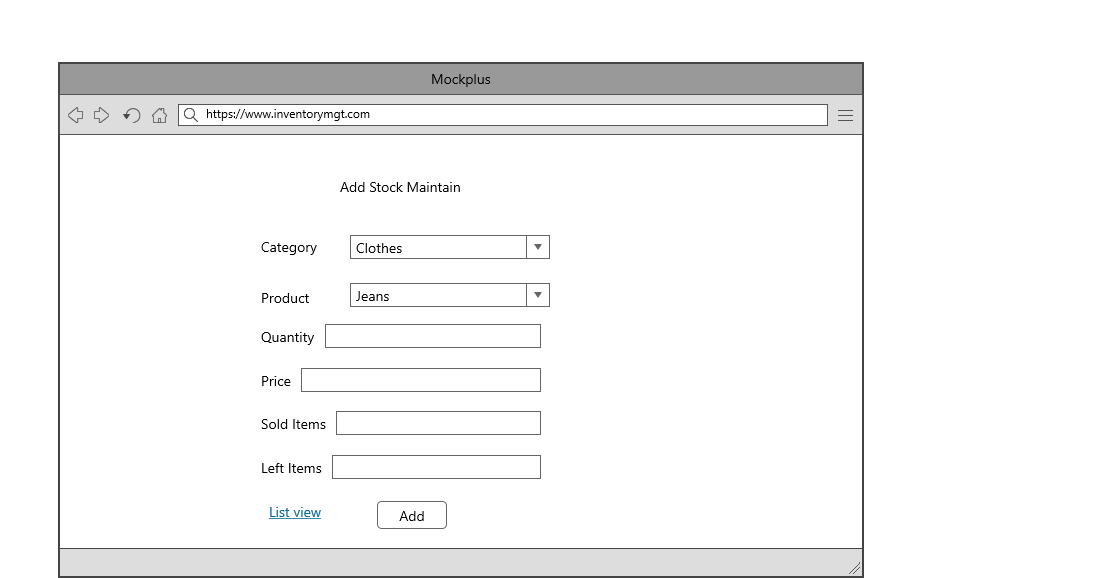
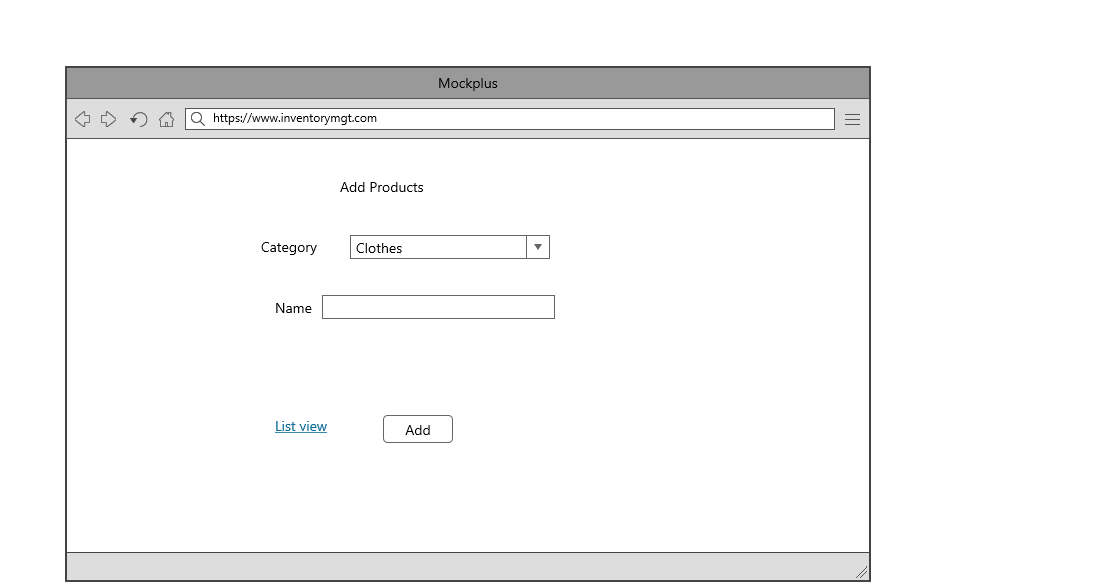
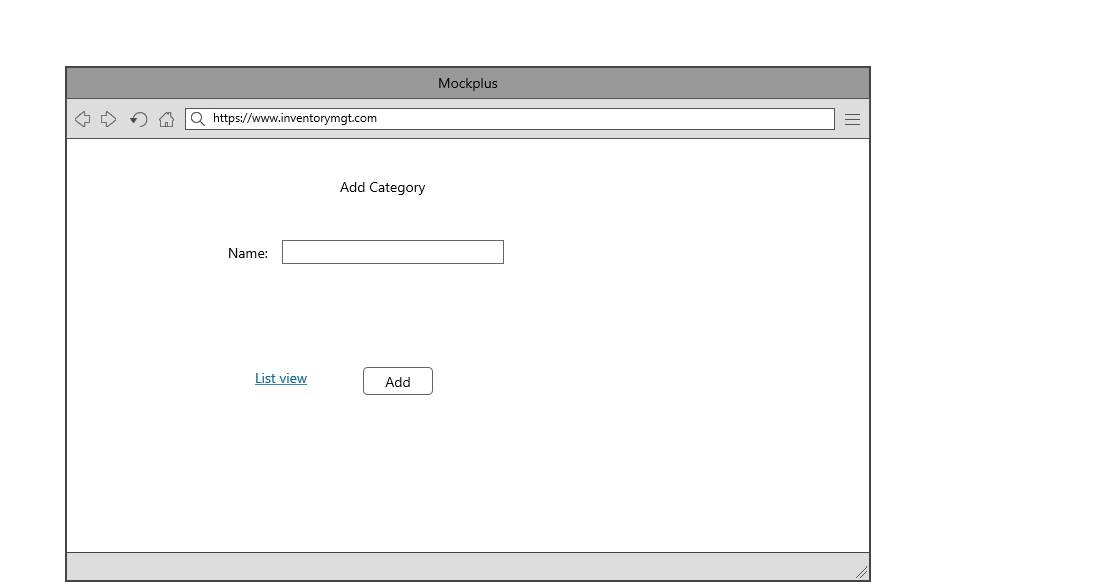
Project management:- When planning for a project evaluation, it’s important to identify the stakeholders and what their short-and-long-term goals are. You must make sure your goals and objectives for the project are clear. It’s critical to have settled on a criteria that will tell you whether these goals and objects are being met.

**Task 3 - Design mockups**









## Task 5- usability testing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User #** | **Login form** | **Food Category form** | **Food Items Module** | **Pass / Fail / Not executed / Suspended** | **Reviews** |
| Harsimran | Perfect | Role based is good | As Expected perfect | Pass | All modules are ok |
| Gurjinder | Ok | looking good | should some changes and expand more | Pass | All good |
| Joban | Excellent | good | Ok | Pass | all modules are as expected |
| Jatin | nice | might be more attractive | completed as expected | Pass | nice |

**Task 6 - Meet with your client**

Client Meeting:

|  |
| --- |
| Meeting Details |
| * Date and time: 25-Oct-2021 * Location: Newzealand |
| Attendees: Harsimran and Amrit |
| Agenda: Discussion of Software of Inventory management system |
| Discussion (Important Points): He wants neat and clean software which will work effectively |
| My To Dos (Actions): Firstly I have to make the mockups of the application. Then Starting the application after the next meeting. |
| Questions requiring Follow- Up: Discussion of the mock ups |
| Comments: Harsimran is good person and he described regarding software very wisely. |
| Next meeting  Date and Time: 1- Nov-2021 1:00 Pm  Location: Newzealand  Agenda: Showing the mock ups to the client and discussion about further development. |

**Task 8 - Software development life cycle stages**

**Planning :-**

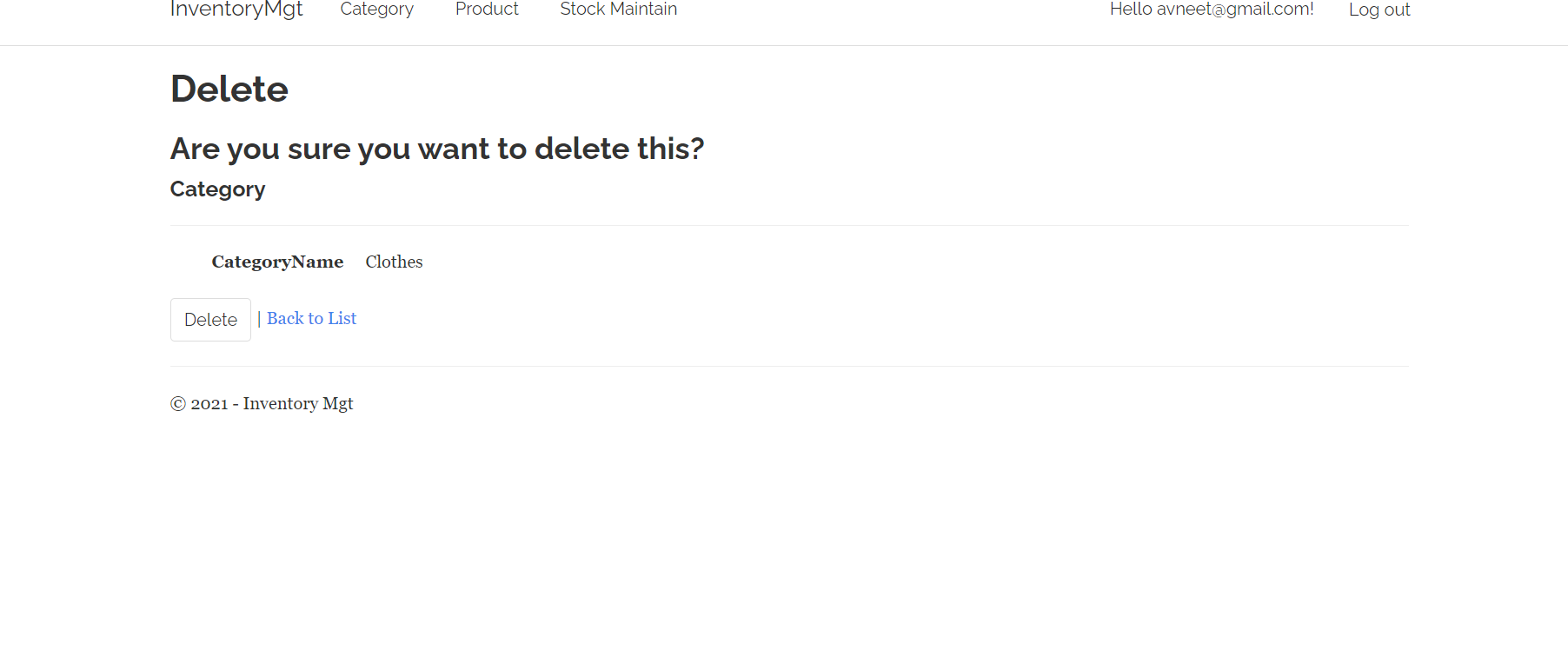
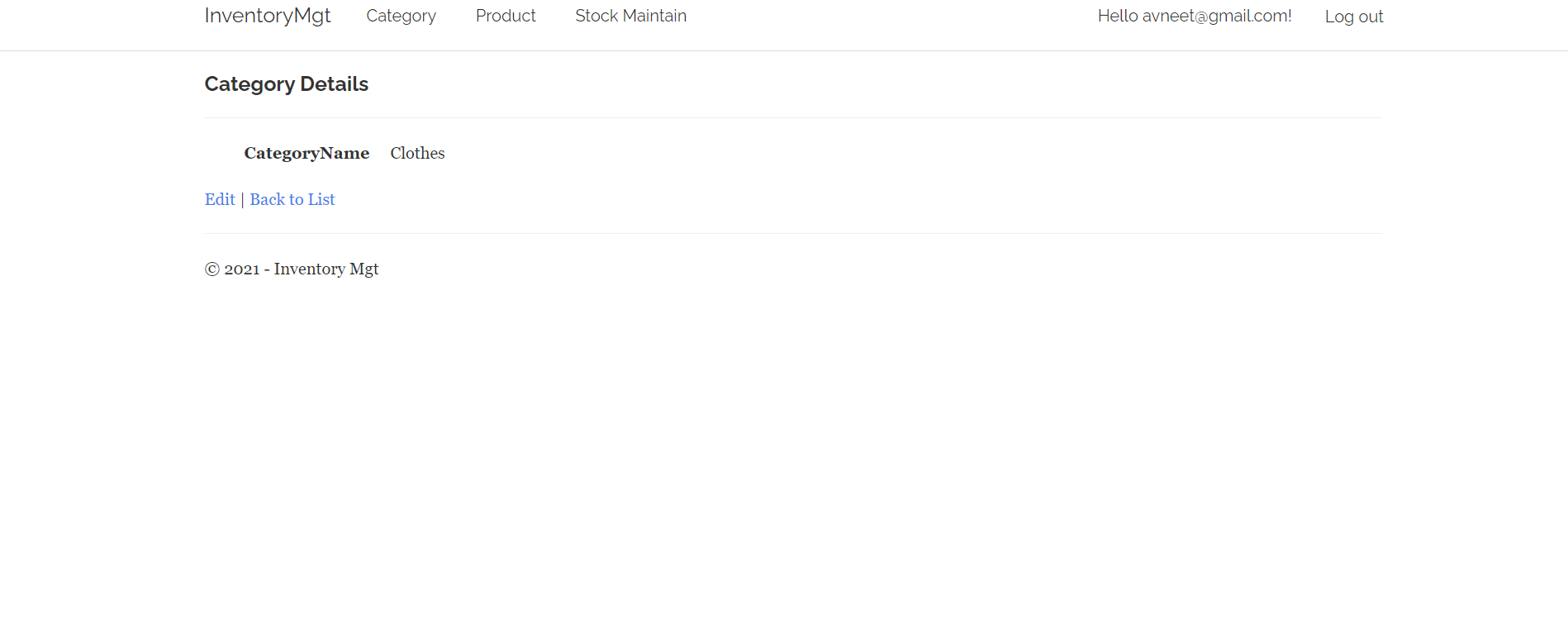
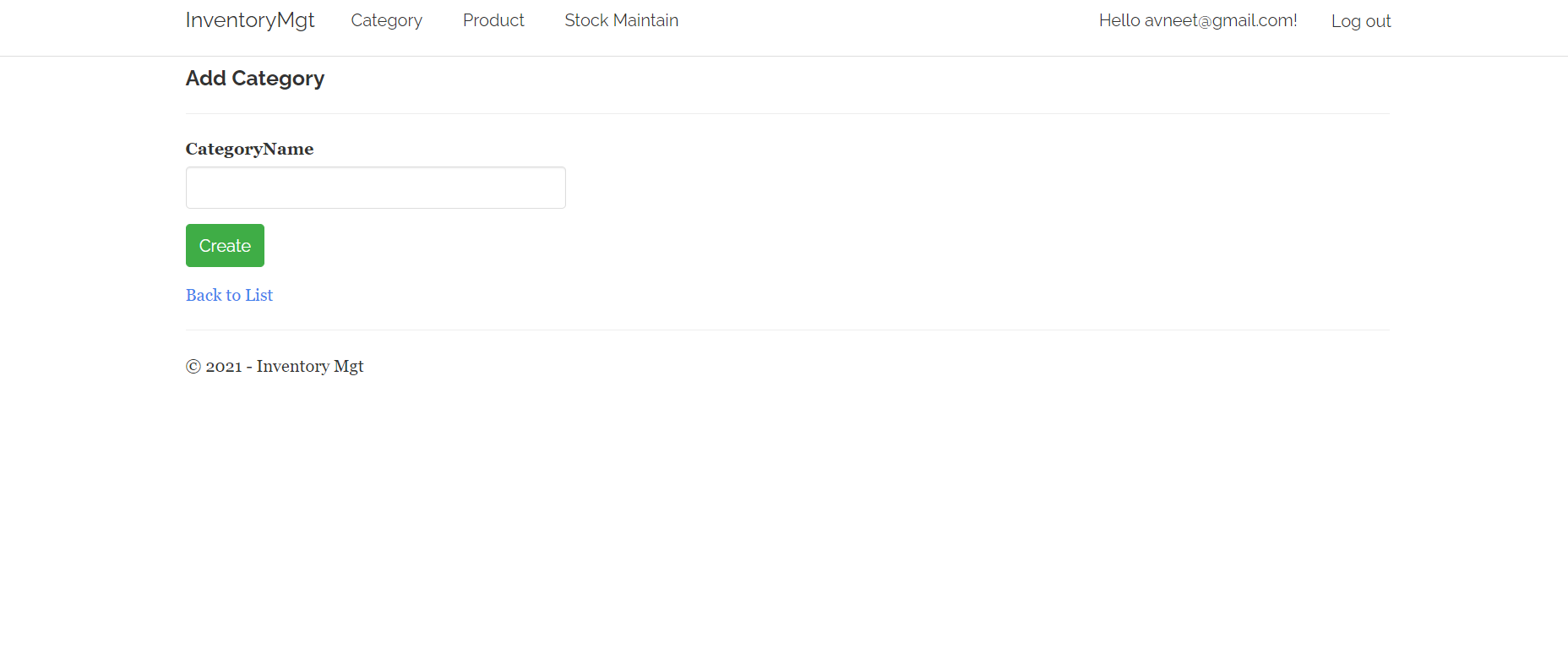
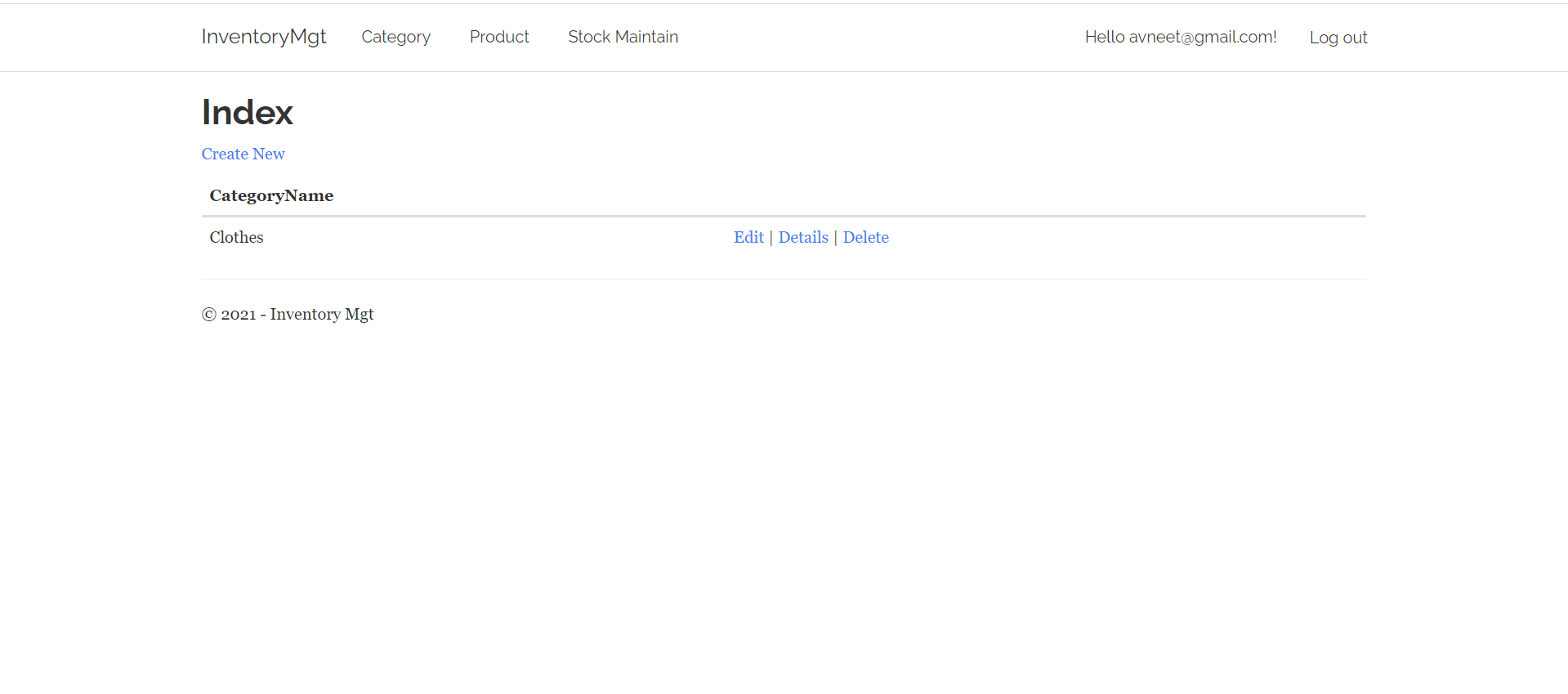
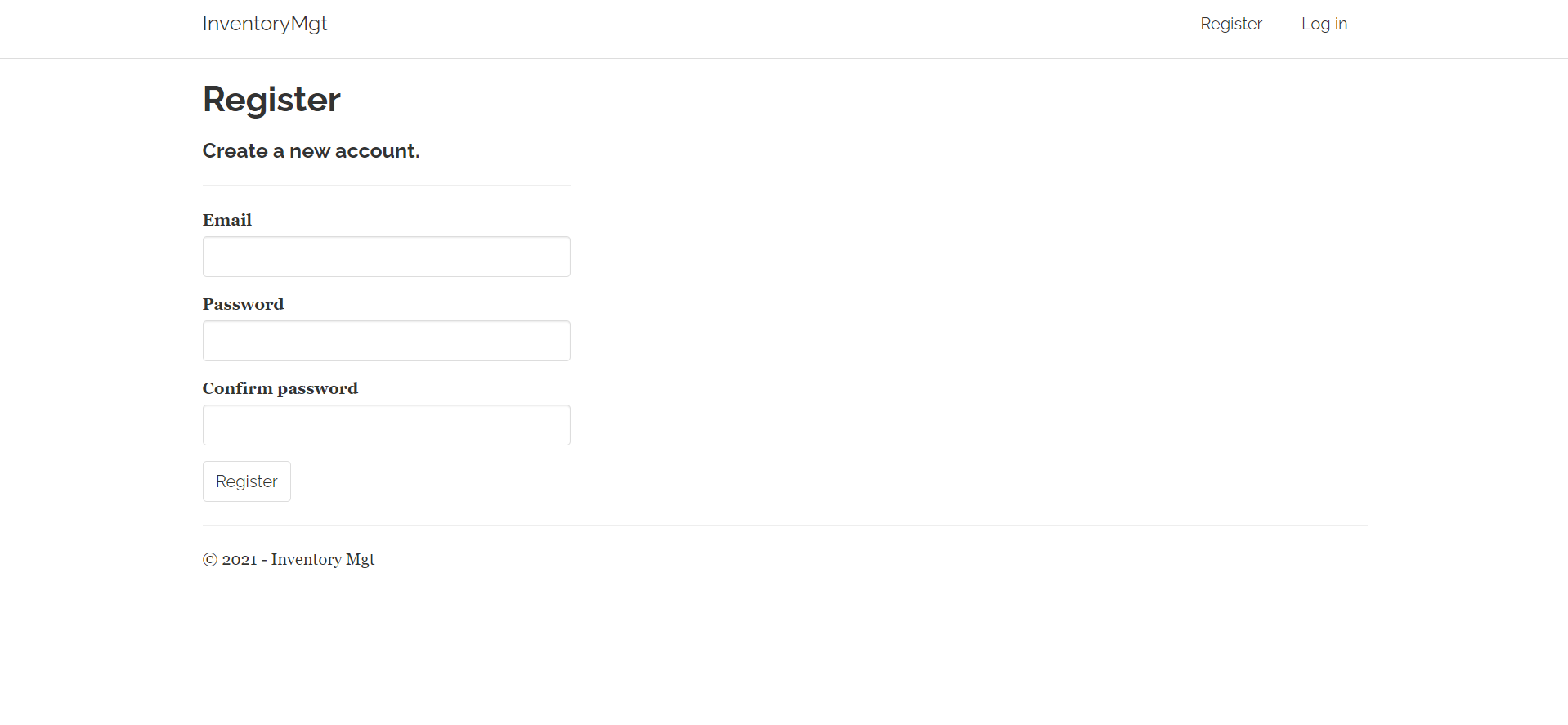
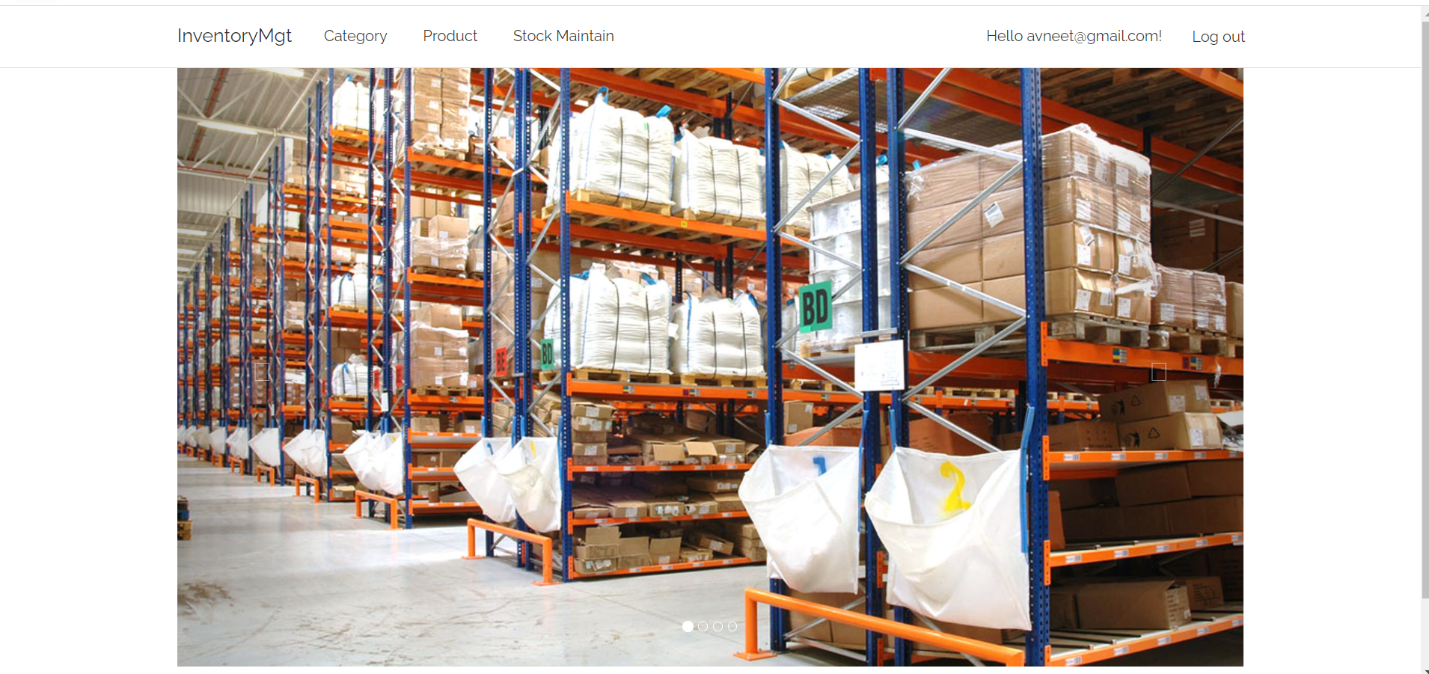
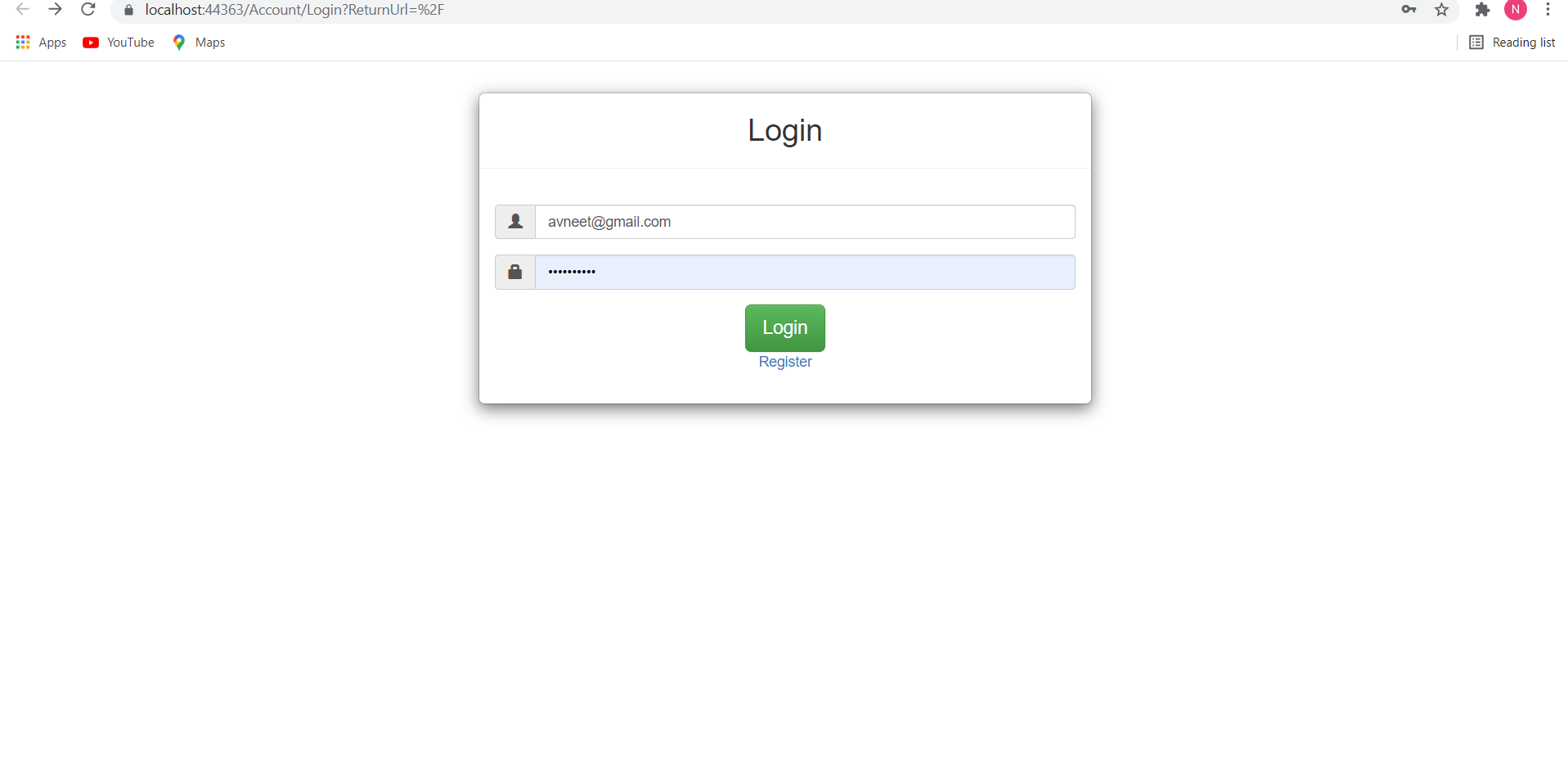
The planning phase involves aspects of project and product management. This may include:

1. Resource allocation (both human and materials)
2. Capacity planning
3. Project scheduling
4. Cost estimation
5. Provisioning

**Requirement :-** The business must communicate with IT teams to convey their requirements for new development and enhancement. The requirements phase gathers these requirements from business stakeholders and Subject Matter Experts (SMEs.). Architects, Development teams, and Product Managers work with the SMEs to document the business processes that need to be automated through software. The output of this phase in a Waterfall project is usually a document that lists these requirements. Agile methods, by contrast, may produce a backlog of tasks to be performed.

**Software Design and prototyping :-** Once the requirements are understood, software architects and developers can begin to design the software. The design process uses established patterns for application architecture and software development. Architects may use an architecture framework such as TOGAF to compose an application from existing components, promoting reuse and standardization.

Screenshots



**Software Development :** This phase produces the software under development. Depending on the methodology, this phase may be conducted in time-boxed “sprints,” (Agile) or may proceed as a single block of effort (Waterfall.) Regardless of methodology, development teams should produce working software as quickly as possible. Business stakeholders should be engaged regularly, to ensure that their expectations are being met. The output of this phase is testable, functional software.

**Testing**

The testing phase of the SDLC is arguably one of the most important. It is impossible to deliver quality software without testing. There is a wide variety of testing necessary to measure quality:

Code quality

Unit testing (functional tests)

Integration testing

Performance testing

Security testing

**Task 9- Project management**

The project evaluation process consists of collecting, recording, and organizing information about project results and lessons learned. It's beneficial for future projects you will be holding. Thanks to tracking project steps on every stage, you are informed about occurring problems, obstacles in the project, and it's much easier to solve issues, adapt changes and finally minimize the risk of project failure. The project process and progress are under control and the decision you make should benefit the organization at all times. Interested in other factors that have an influence on the client & software development team fruitful cooperation process? Check this piece about do's and don'ts of managing an outsourced Ruby on Rails team written from our Project Manager perspective.

The definition of success regarding projects is achieving a single project's primary goal. Of course, it's also important to deliver a project within the estimated time and budget. Just remember, your team and project managers should be flexible enough to adapt all changes the project needs so that the quality could be continuously improved. There is no good and bad project quality management methodology - each methodology has its pros and cons.