Project title: PanaCea

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0. Document versions

As it is

1. Project components (project products)

All programming and documented nonprogramming components of the project should be unambiguously and precisely defined. **Examples** of programming components are:

- Web application
- React, Redux-framework-based JavaScript app for servers
- NodeJS and Express
- Database server instance based on MongoDB engine

Examples of nonprogramming components are:

- Functional specification,
- Prototype made with MS PowerPoint tool,
- Usability tests reports,
- Documented comparative analysis of technology performance for justifying technological decisions.

Project progress should be presented in stages in agreed-upon semesters and to the planned dates of their completion.

2. Project boundaries

- This web app works with all the browser except Internet explore because it has some boundaries.
- It was decided to develop a web app because everyone can use it without download an app or any other extra work although the mobile app would appear to be more suitable, but web app is easier to use for all users.

- some data operations cannot be performed through the application. (E.g. users can be added only from the database level.)

- Some functionalities have not been (or are not going to be) implemented, although they do not require significant workload.

3. Functional requirements list

Users stories can be saved like email password time etc. users confirmation of the orders, forgot password update profile etc.

Discount or Sale of the products menu will be added	Category option will be work properly
Logo or some special design will be added	Special message will be appeared on the screen
Contact button or details etc. option will be available	Language button or option will be added where user can change language in Polish or English.
Recommended products option will be available	New special products option button will be added
Write to us option will be added	Local shop button will be appeared on the main page.
Authentication of users when he/she tries to log into the system	System shutdown in the case of cyber-attack
Verification email is sent to user whenever he/she registers for the first time on some software system.	Order confirmation email will be sent to the user.
Warning message will appear when user wants to delete some products.	Multiple Payment method will be available.
User can update password and email	User can track order

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4. Nonfunctional requirements list

Performance how the product will be response in time or throughput utilization etc.

Reliability and recoverability

Security and capacity

Data integrity and usability

1.	Emails should be sent with a latency of no greater than 12 hours.
2.	Each request should be processed within 10 seconds.
3.	The site should load in 3 seconds when the number of simultaneous users is >10000
4.	This app will not be performed or cannot be run in internet explorer browser

5. .

5. Measurable implementation indicators

In this paragraph it should be specified, by semester, how the product is going to be implemented. Possible examples of implementation indicators:

- The system is made available in heroku.com Internet domain and used by at least 20 users.

- The system is made available in the heroku.com Internet domain and is fed with the acquired and developed input data.

- The system is subjected to load tests to ensure that if the system is used by no more than 100 users at the same time, the maximum response time of the server will not exceed 2 seconds.

- At the end of semester two the client receives the beta test version.

- A prototype of the system is accepted in writing by the client.

6. Project acceptance criteria for semester Two

The criteria for product acceptability also should be specified. The product acceptability criteria should be presented in three categories:

- **required** –

  Design and the style for the app will be update.

  Discount option will be added where admin can store discount products and percentage of the products etc. + menu bar will be added to the link so that it appears on the main page for admin.

  User can search by country origin to the products which will allow user to filter the products.

  The. prototype delivered, implemented specified functionalities, successfully completed load tests, understanding customer processes and client accepted respectively.
- **expected –** the criteria expected by the client, which is made, and client feedback received so far, all the expectations of the product has been delivered in time.
- **planned –** All the requirements and client expectations plus what client come up with features time to time some minors' issues has been updated normally everything else is followed by the plans.

7. Teamwork organization

Full stack developer by myself so I made the plans in **Monday.com app** which is well decorated but mostly I follow or (**to do list for myself which is store in my GitHub and I follow the schedule time to time**) and strict to the plan and following the plan everything is well organized sounds and safe. Time to time I update something and all the codes store in my GitHub repository. I divided the
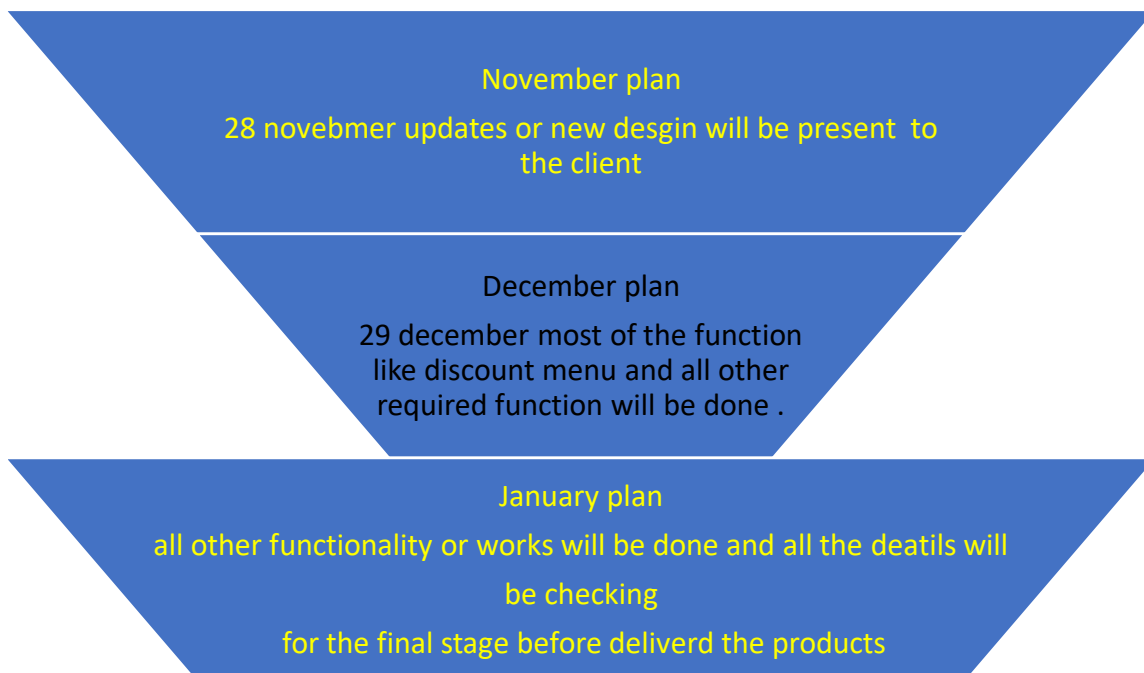
work for myself like a team member and I act time to time different team members roles. There is two part of this project Backend and frontend so I'm doing backend using NodeJS and Express database Mongo dB and Mongo dB compass and for testing the url with postman. Frontend using React and redux thunk HTML CSS etc.

8. Project risks

In this paragraph all possible (including technology-connected) risks linked to the project development should be determined and provided with a course of action plan in the case that they occur. For example:

- In the project I planned to use some kind modern technologies which require more information and restrictions so this is one of the reasons which can stop me to deliver the product or unfinished in time.
- Architecture fails to respond to the load as expected, and notably the load tests show failure to meet the project acceptance criteria. In such a situation vertical and horizontal scaling mechanisms need to be implemented, which increases the workload on the team by 80 work hours.
- The planned implementation infrastructure (e.g. SwiftUI or iOS app) turns out to be too expensive for an engineering project. In such a situation moving the project on to the faculty infrastructure is necessary, and it increases the team's workload by 80 work hours.
- The client/shop owner does not show enough interest in the project Some problems like managing time and client expectations in time and client budget etc. This few kinds of problems can make me to unfinished or delivered the product in time?

09. Milestones

November plan

28 novebmer updates or new desgin will be present to the client

December plan

29 december most of the function like discount menu and all other required function will be done .

January plan

all other functionality or works will be done and all the deatils will

be checking

for the final stage before deliverd the products

Product will be handed to the client date which is 26 February 2021. I'm highly expecting to deliver the product in time so that client would be happy and keep contact for future.