

1. Project Cover Page

Dope Spot
Project Initiation Document (PID)

2. Document History

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- Approved by: -
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- Document Version: 1.0
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 - 2024-03-15: Document creation by Anghel Stefan (Version 0.1)
 - 2024-04-03: Paragrapher 9 and 10, Appendix 1 and 2, E-R chart and Logical Scheme (Version 0.2)
 - 2024-05-09: Paragrapher 11 and 12, Appendix 3,4 and 5 (Version 0.3)
 - 2024-05-16: Paragrapher 13, Appendix 6,(Version 0.4)
 - 2024-05-22: Complete the other paragrapher(1-6)(Version 0.5)
 - 2024-05-23: Deliver the document. (Version 1.0)

3. Summary

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4. Introduction

- "Dope Spot" isn't just another online clothing store – it's a destination for those who seek to express themselves through their style. Our mission is simple yet profound: to provide a carefully curated selection of streetwear and vintage clothing that speaks to the heart of urban culture. From bold, eye-catching designs to timeless classics, we believe in offering our customers a diverse range of options to suit their individual tastes and preferences.

5. Purpose of the Document

- The purpose of this document is to provide a comprehensive overview of "Dope Spot," including its objectives, scope of intervention, activity plan, management structure, usage guidelines, and document review procedures. By detailing these aspects, the document aims to facilitate a clear understanding of the project's goals and operations.
- The project plan contained in this document includes all the elements necessary for effective planning. Planning involves developing a work plan that describes how to achieve the set objectives for our solution. It is essential that the document is easily readable and flexible to accommodate new changes that may occur throughout the project's duration. This planning document was created in the initial phase and will be updated in all subsequent phases of the project, detailed in point 6.
- Document revisions will be described in the "Document History" (Point 2), the section of the project plan where the document's history is recorded. It is important that project plan revisions are always reviewed and accepted by the program committee.

6. Project Approach

- The "Dope Spot" project requires a structured methodological approach for its development and management. It is essential to use modern technologies like Vue.js and Tailwind CSS to optimize user experience and ensure seamless navigation. Additionally, Laravel will be employed for database management and security, ensuring data protection and integrity.

- The necessary activities for project completion will be detailed in the Work Breakdown Structure (WBS), breaking down the work into specific tasks and describing the type of work to be performed. A Gantt chart will be used to manage the project timeline, monitoring the duration of each activity and phase for their completion. A Pert diagram will also be necessary to graphically describe the dependencies between various activities and to develop the Critical Minimum Path (CMP), which indicates the minimum duration of the project and identifies critical activities. These critical activities, if delayed even by a single day, could delay the entire project.
- Costs will be managed through a preliminary budget, detailing the expenses required for each activity. It is crucial to maintain uniform costs across the various phases of the project to avoid the risk of failure due to excessive concentration of funds on a single phase.

7. Project Phases

- Define each phase with key deliverables and timelines:
 - Planning: Establish project boundaries, deliverables, and objectives.
 - Project Design: Research customer preferences, market trends, and competitors.
 - Realization:
 - Develop the online platform for the clothing store.
 - Include tasks like domain registration, design, frontend/backend development, and e-commerce functionality.
 - Deployment: Manage inventory, create product catalogs, organize product photography and descriptions.
 - Launch: Officially introduce Dope Spot to the public through planned strategies.

8. Project Definition

8.1 Project Objectives

- Establish an innovative online clothing store for urban culture with trendy and vintage apparel.
- Provide customers with a seamless and satisfying online shopping experience.

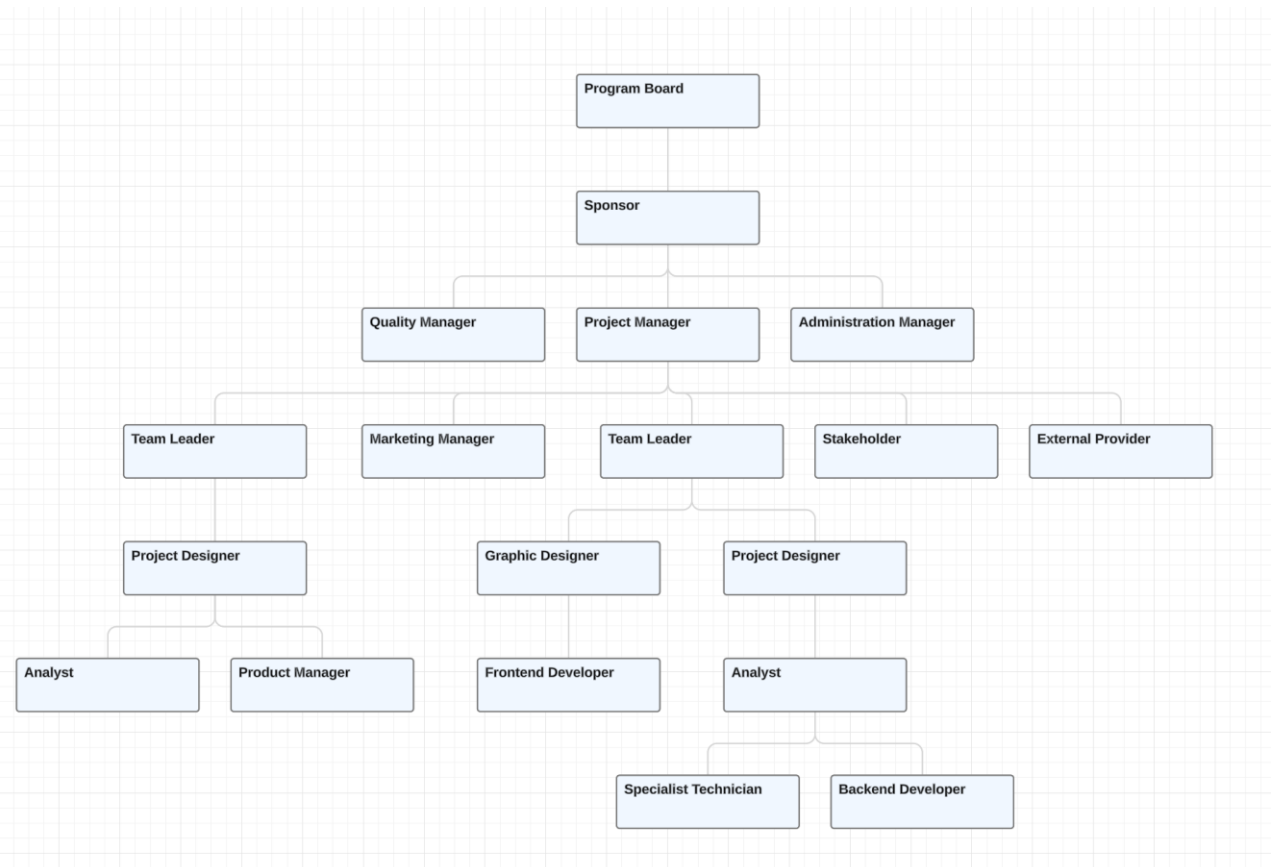
8.2 Scope and Intervention Areas

- Develop and launch the online clothing store, including website design, product catalog creation, backend development, marketing strategies, and legal compliance.
- Intervention areas include market analysis, website development, product management, marketing, and promotion.

8.3 Project Results or Deliverables

- A fully functional and visually appealing online clothing store.
- A diverse product catalog featuring both trendy and vintage apparel.
- A user-friendly shopping experience with intuitive navigation and secure payment options.
- Enhanced brand visibility and customer engagement through marketing and promotion.
- Adherence to legal and regulatory standards through terms and conditions and privacy policies.

9. Organization of the Project



10. Roles and Responsibilities

- **Program Board:** Oversees the entire program and ensures all projects are aligned with the program's goals.
- **Sponsor:** Provides financial backing and champions the program within the organization.
- **Quality Manager:** Ensures that the project meets the quality standards.
- **Project Manager:** Oversees and coordinates the project, ensuring it is delivered on time, within budget, and meets the project goals.
- **Administration Manager:** Provides administrative support to the program or project team.
- **Team Leader:** Leads a team of developers or designers.
- **Marketing Manager:** Develops and executes marketing campaigns to promote the project.
- **Stakeholder:** An individual or group with an interest in the project.
- **External Provider:** A company or individual that provides goods or services to the project team.
- **Project Designer:** Creates visual aids and other documentation to communicate the project plan.
- **Graphic Designer:** Creates graphic design elements for the project.
- **Analyst:** Analyzes data and provides insights to the project team.
- **Product Manager:** Drives the strategy and development of a product or product line within the project.
- **Frontend Developer:** Develops the front-end (user-facing) side of a website or application.
- **Specialist Technician:** A technician with specialized skills relevant to the project.
- **Backend Developer:** Develops the back-end (server-side) logic and functionality of a website or application.

11. Standards

Prevent Cyber Threats

- **ISO/IEC 27001:** This international standard specifies the requirements for establishing, implementing, maintaining, and continually improving an information security management system (ISMS). The goal is to help organizations protect their information assets through a systematic approach to managing sensitive company information so that it remains secure. It includes people, processes, and IT systems by applying a risk management process. ISO/IEC 27001 is essential for protecting sensitive data against unauthorized access, ensuring confidentiality, integrity, and availability of information.

- **ISO/IEC 27002:** This standard provides detailed guidelines to assist in implementing the controls listed in ISO/IEC 27001. It offers best practices for information security management, including access control, encryption, human resource security, and incident response. By following ISO/IEC 27002, organizations can ensure they meet the necessary security requirements and effectively manage risks to information security.
- **OWASP (Open Web Application Security Project):** OWASP is an online community dedicated to improving the security of software. It provides freely available articles, methodologies, documentation, tools, and technologies in various fields, including web security. OWASP is known for its top ten list of the most critical web application security risks, which helps organizations identify and mitigate common vulnerabilities in their web applications.
- **ISO/IEC 15408 (Common Criteria):** This international standard is used for evaluating the security properties of IT products and systems. Common Criteria (CC) provides a framework for defining the security requirements for a product and evaluating the product against those requirements. The evaluation process ensures that the product's security features are tested and verified, providing assurance to users that the product meets the specified security standards.
- **ETSI EN 303 645:** This standard specifies cybersecurity provisions for consumer Internet of Things (IoT) devices. It establishes a set of baseline requirements to ensure that IoT devices are secure by design, protecting against the most common vulnerabilities and attacks. The standard covers aspects such as data protection, software updates, and secure communications.

Data Protection and Privacy

- **GDPR (General Data Protection Regulation):** GDPR is a European Union regulation that came into effect in 2018. It sets strict rules on the collection, processing, and storage of personal data, ensuring that organizations handle personal data transparently, securely, and legally. GDPR gives EU citizens greater control over their personal data, including rights to access, correct, and delete their information. Non-compliance with GDPR can result in severe penalties,

making it crucial for organizations to adhere to these regulations to protect individual privacy rights.

Web Security

- HTTP Strict Transport Security (HSTS): HSTS is a security policy mechanism that helps to protect websites against certain types of attacks, such as man-in-the-middle attacks and cookie hijacking. By enforcing the use of HTTPS, HSTS ensures that browsers only communicate with websites over secure connections, preventing users from accidentally visiting insecure HTTP versions of the site.
- WCAG (Web Content Accessibility Guidelines): Developed by the World Wide Web Consortium (W3C), WCAG provides guidelines to make web content more accessible to people with disabilities. These guidelines cover a wide range of recommendations to improve the accessibility of web content, including aspects like text alternatives for non-text content, adaptable content, distinguishable content, and input assistance. Adhering to WCAG ensures that websites are usable by a broader audience, including individuals with visual, auditory, motor, and cognitive disabilities.
- ARIA (Accessible Rich Internet Applications): ARIA is a W3C specification that provides a set of attributes to make web applications more accessible to people with disabilities. ARIA enhances the accessibility of dynamic content and complex user interface controls developed with HTML, JavaScript, and related technologies. It helps developers create more accessible web applications by providing additional information to assistive technologies.
- ISO/IEC 25010: This international standard defines a set of software quality characteristics and metrics. The quality model described in ISO/IEC 25010 includes characteristics such as functionality, reliability, usability, efficiency, maintainability, and portability. This standard provides a comprehensive framework for evaluating and ensuring the quality of software products, helping organizations develop high-quality software that meets user needs and expectations.

- **CSP (Content Security Policy):** CSP is a security standard designed to prevent cross-site scripting (XSS), clickjacking, and other code injection attacks resulting from the execution of malicious content in the context of a trusted web page. CSP allows web developers to control resources that can be loaded and executed on their web pages, thereby reducing the risk of vulnerabilities being exploited by attackers.

Technical Standards

- **W3C (World Wide Web Consortium):** The W3C is an international community that develops open standards to ensure the long-term growth of the Web. It is responsible for creating and maintaining technical specifications for HTML, CSS, XML, HTTP, and other foundational web technologies. The goal of W3C is to ensure web interoperability and accessibility, making the Web accessible to all users, regardless of their devices or abilities.
- **IETF (Internet Engineering Task Force):** The IETF is an open standards organization that develops and promotes voluntary Internet standards, particularly the standards that comprise the Internet protocol suite (TCP/IP). The IETF is responsible for defining protocols and best practices that ensure the smooth operation and evolution of the Internet. Standards developed by the IETF cover a wide range of technologies, including IP addressing, routing, email, and security protocols.

Process Standards

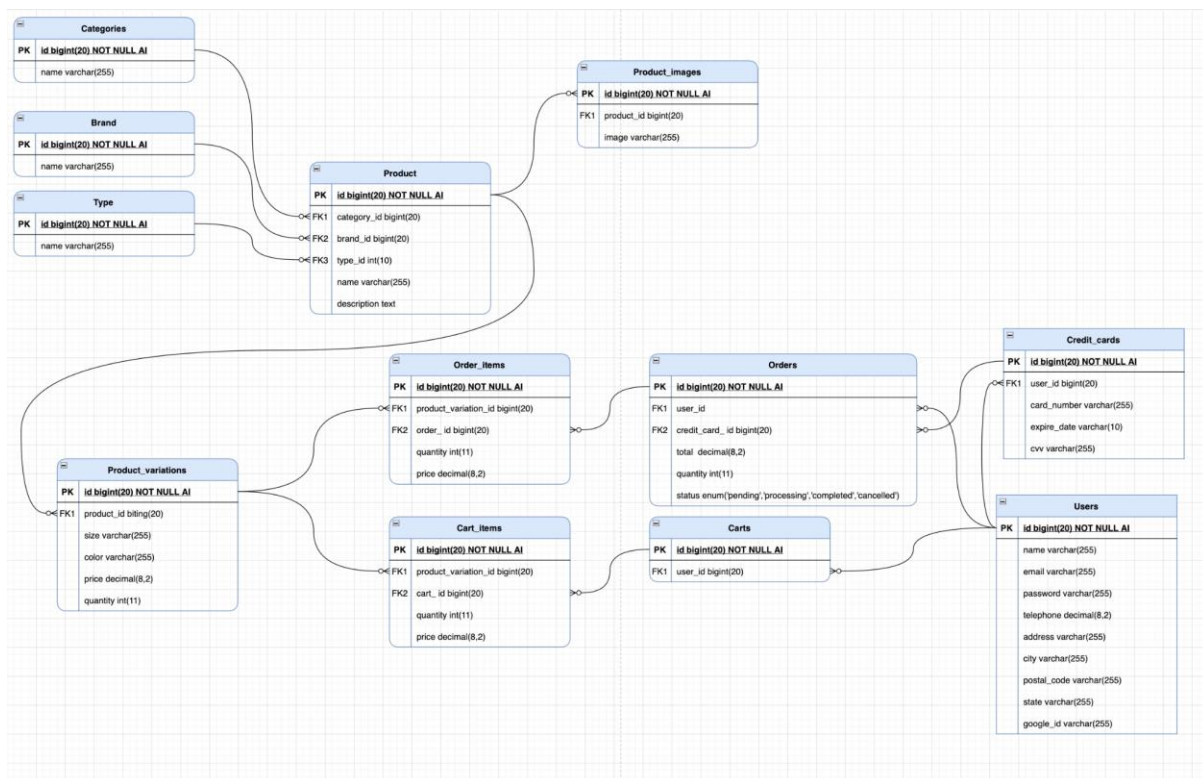
- **ISO 9001:** It is a quality management standard focusing on organizational processes, ensuring that the quality of products and services consistently meets customer requirements. By implementing ISO 9001, you can establish clear quality objectives, define procedures for quality control and assurance, and promote continuous improvement.
- **ISO 25000:** It is a standard for software quality requirements and evaluation (SQuaRE), providing a comprehensive framework for defining, evaluating, and managing the quality of software products and systems. By following ISO 25000 guidelines, you can ensure that your software products meet functional, performance, and usability requirements.

12. Quality Control

Logical Scheme

- **Categories**(id, name)
- **Product Images**(id, product_id*, images)
- **Brands**(id, name)
- **Product Types**(id, name)
- **Products**(id, category_id*, brand_id*, product_type_id*, name, description, price)
- **Product Variations**(id, product_id*, size, color, quantity)
- **Credit Cards**(id, user_id*, card_number, expiration_date, cvv)
- **Orders**(id, user_id*, order_date, status, credit_card_id*, total_price)
- **Order Items**(id, order_id*, product_variation_id*, quantity, price)
- **Carts**(id, user_id*)
- **Cart Items**(id, cart_id*, product_variation_id*, quantity, price)
- **Users**(id, name, email, password, telephone, address, city, postal_code, state, google_id)


E-R Chart



Login and Register

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Don't have an account yet? [Sign up here](#)

 login with Google

OR

Email address


Password [Forgot password?](#)

☐ Remember me

Sign in

Sign up

Already have an account? [Sign in here](#)

 login with Google

OR

Email address

name

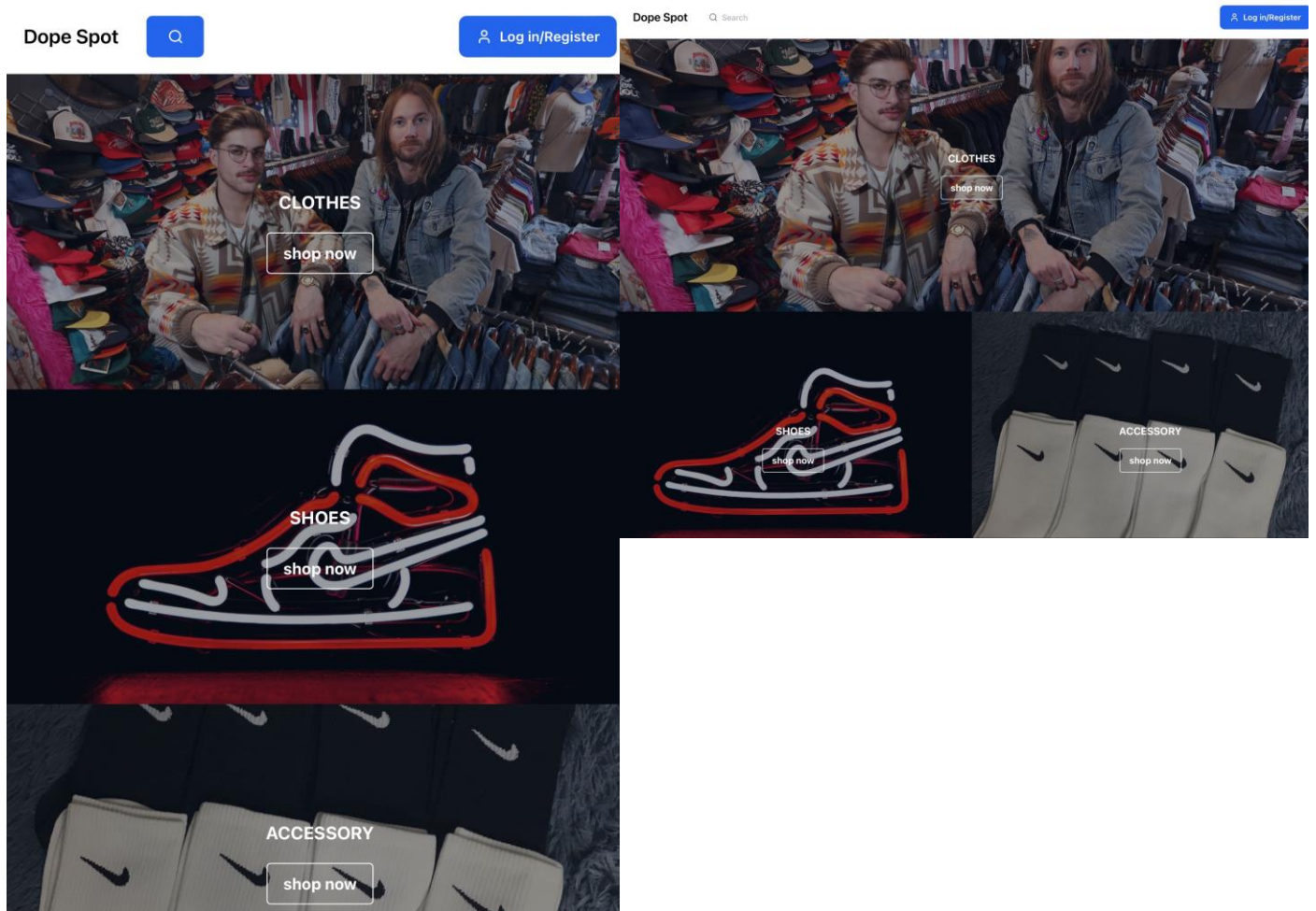
Password

Confirm Password

☐ I accept the [Terms and Conditions](#)


Sign up

Responsive home



Responsive page product

Filter by Brand: Filter by Type: Filter by Category: [Apply Filters](#)




T-shirt
by carhartt
19.99\$
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hoodie
by carhartt
34.99\$
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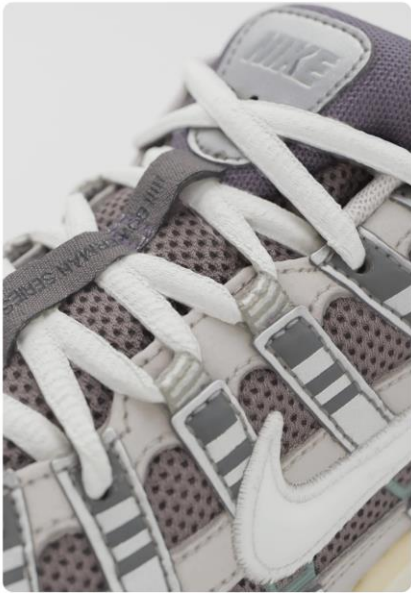


hoodie
by carhartt
34.99\$
[Click here for more info](#)



jeans baggy
by southpole
79.99\$
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Product detail page



p-6000

Brand: nike

\$79.99






nike shoes

Size:

Color:

[shop now](#)
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Additional Photos:

About us and about shipping page

About shipping

Dope-Spot take care of shipping to improve user experience



About our delivery company

We prioritize the safe and timely delivery of your purchases. That's why we partner exclusively with reputable shipping companies like UPS. Rest assured, your orders are in good hands from our store to your doorstep. Experience the convenience and reliability of our shipping services today.



About reimbursement

That's why our reimbursement system is designed to be straightforward and hassle-free. Simply keep your receipts handy, and we'll take care of the rest. Our dedicated team works diligently to process reimbursements promptly.

Dope Spot

[Search](#)

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About us

Dope-Spot is a revolutionary clothes shop



About Vintage Collection

We sell Streetwear clothes of the most famous brand, only quality

[Click here for more info](#)



About Streetwear Collection

We sell Streetwear clothes of the most famous brand

[Click here for more info](#)

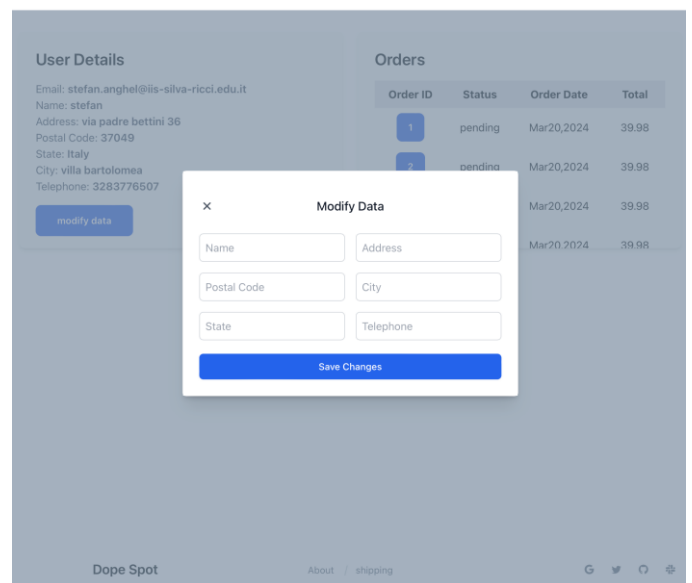
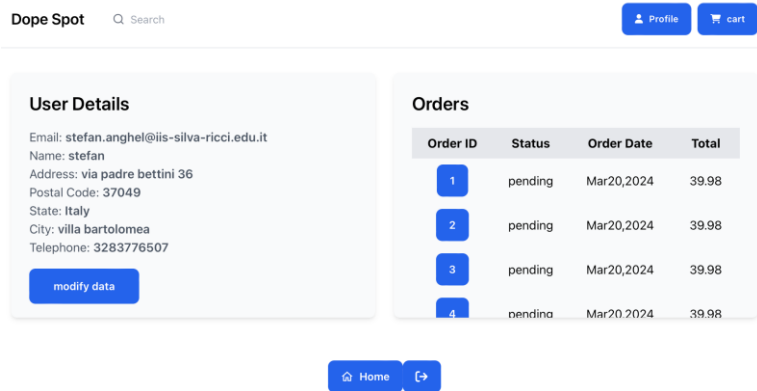


About our team


We do our work with love and passion

[Click here for more info](#)

User profile section



Order Section

Dope Spot  Search

 Profile

 cart

Order Summary

Order ID: 1
Order Date: Mar 20, 2024 04:59 PM

Ordered Items

T-shirt 2 x \$19.99


Total: \$39.98

Shipping Details

Name: stefan
Address: via padre bettini 36
City: villa bartolomea
Country: Italy
Postal Code: 37049



 Home

Cart Section

Dope Spot  Search

 Profile

 cart

PRODUCT	BRAND	PRICE	SIZE	COLOR	QUANTITY	ACTIONS
 jeans baggy	southpole	79.99\$	W34 H32	blue	1	
Total Price: 79.99 Total Pieces: 1						shop now

Credit card Section

Choose Payment Method

Card number
2112 1121 2121 1221
12/11

Use This Card

Or add Payment Method

Card Number

Expiry Date (MM/YY) CVV

Add

Search bar

Brand: southpole
Category: Clothing
View product: jeans baggy

13. Risks and Assumptions

Danger probability		
Level	Name	Description
1	unlikely	there are no known incidents of this deficiency
2	not very likely	very rare incidents
3	likely	some episodes are known in which damage followed
4	very likely	there are known damages verified for the same type of deficiency

Probability of damage		
Level	Name	Description
1	mild	reversible effects of damage quickly
2	not to be overlooked	irreversible effects
3	serious	partial disability effects, irreversible effects
4	very serious	lethal or seriously disabling effects

Risk = Probability * Damage

Probability					Risk
4	4	8	12	16	
3	3	6	9	12	
2	2	4	6	8	
1	1	2	3	4	
	1	2	3	4	Damage

$R > 8$ = requires urgent corrective action

$4 \leq R \leq 8$ = corrective actions must be planned in the short term

$2 \leq R \leq 3$ = corrective actions are to be planned in the medium term

$R = 1$ = improvements or protection measures

Name	Electrocution
------	---------------

Description	Contact with electrical energy resulting in injury or death.
Phase	Any phase
Probability	1
Damage	3
Risk	3
Corrective measures	<ul style="list-style-type: none"> - Regular maintenance of electrical system - Use of protective equipment - Safety training for employees - Implementation of safety protocols and emergency procedures.

Name	Fire
Description	Uncontrolled fire causing damage to property and harm to individuals.
Phase	Any phase
Probability	2
Damage	3
Risk	6
Corrective measures	<ul style="list-style-type: none"> - Installation of fire detection and suppression systems - Regular fire drills and training - Proper storage of flammable materials - Adherence to fire safety regulations - Ensuring clear and accessible emergency exits - Regular maintenance and inspection of electrical systems.

Name	Fall
Description	Injury resulting from a person falling from a height or slipping.
Phase	A3
Probability	3
Damage	3
Risk	9
Corrective measures	<ul style="list-style-type: none"> - Use of fall protection equipment - Ensuring non-slip surfaces - Safety training for working at heights - Regular inspection of work areas - Installation of guardrails and safety nets in areas

	<ul style="list-style-type: none"> - Proper lighting in work areas to avoid trips and falls - Immediate cleanup of spills to prevent slips.
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Name	Burnout
Description	Physical and mental exhaustion due to prolonged stress and overwork.
Phase	Any phase
Probability	2
Damage	3
Risk	6
Corrective measures	<ul style="list-style-type: none"> - Implementation of work-life balance policies - Regular breaks and time off - Access to mental health support - Reasonable workload distribution - Encouraging a supportive work environment - Providing stress management workshops and resources - Regular check-ins with employees to assess workload and well-being - Promoting a healthy workplace culture that values rest and recuperation.

Name	Mobbing
Description	Psychological harassment and bullying in the workplace.
Phase	Any phase
Probability	2
Damage	3
Risk	6
Corrective measures	<ul style="list-style-type: none"> - Implementation of anti-bullying policies - Regular training on respectful workplace behavior - Fostering a positive and inclusive work culture - Ensuring confidentiality and protection for individuals who report mobbing - Regular team-building activities to promote positive interactions - Continuous monitoring and addressing of workplace dynamics to prevent mobbing.

14.WBS

WBS	Nome attività
0	DOPE-SPOT
1	Planning
1.1	abstract
1.2	make pid
1.3	make wbs and pbs
1.4	make gant and pert

WBS	Nome attività
2	Project design
2.1	Market analysis
2.1.1	Analyze market and competitor
2.1.2	Research target
2.2	Website design and layout
2.2.1	home page design
2.2.2	User detail page design
2.2.3	Product category pages design
2.2.4	Product detail pages design
2.2.5	Checkout process design
2.3	Database development
2.3.1	E/R diagram creation
2.3.2	Logic scheme development
2.3.3	Database table creation
2.3.4	Establishing relationship between table

WBS	Nome attività
3	Realization
3.1	Website development
3.1.1	Domain register and host setting
3.1.2	Frontend Development
3.1.2.1	HTML and CSS coding
3.1.2.2	Make a responsive design
3.1.3	Backend development
3.1.3.1	E-commerce functionality implementation
3.1.3.2	User account management
3.1.3.3	Payment Gateway Integration
3.1.4	Customer Service
3.1.4.1	Customer support setup
3.1.4.2	Return and exchange policy creation
3.1.4.3	FAQ section development
3.1.4.4	Order tracking functionality implementation
3.1.5	Testing and debugging
3.1.5.1	Cross-browser Testing
3.1.5.2	Functionality Testing
3.1.5.3	Performance Testing
3.2	Product Management
3.2.1	Inventory management setup
3.2.2	Product catalog creation
3.2.3	Product photography and editing
3.2.4	Pricing strategy development
3.2.5	Product description and details

WBS	Nome attività
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4	Deployment
4.1	Legal and Compliance
4.1.2	Terms and conditions creation
4.1.3	Privacy policy development
4.2	Marketing and Promotion
4.2.1	Social media marketing strategy
4.2.2	Influencer collaborations
4.2.3	Paid advertising campaigns
4.3	Launch
WBS	Nome attività
5	Final review
5.1	Marketing campaign launch

Project Management Appendices: Detailed Explanations

Appendix 1: Project Roles and Responsibilities

- **Project Manager (PM):**
 - Acts as the general manager of the "Dope Spot" project, overseeing all aspects of its development and operation.
 - Coordinates all activities and resources involved in the project to ensure timely completion and adherence to objectives.
 - Serves as the main point of contact for stakeholders, communicating project progress, addressing concerns, and managing expectations.
- **Marketing Manager:**
 - Defines and implements marketing and promotion strategies to increase brand awareness and drive sales.

- Collaborates with influencers and manages advertising campaigns on social media platforms to reach target audiences effectively.
- Analyzes market trends and consumer behavior to refine marketing strategies and maximize ROI.
- **Graphic Designer:**
 - Designs the user interface and user experience of the "Dope Spot" website, focusing on aesthetics, usability, and functionality.
 - Creates wireframes, mockups, and prototypes to visualize and communicate design concepts and ideas.
 - Collaborates with developers and stakeholders to implement design solutions that enhance the overall user experience and achieve business goals.
- **Frontend Developer:**
 - Implements the visual and interactive elements of the "Dope Spot" website, translating design concepts into code.
 - Develops user-facing features and functionalities using HTML, CSS, and JavaScript, ensuring compatibility across browsers and devices.
 - Collaborates with designers and backend developers to integrate frontend components seamlessly with backend systems and databases.
- **Backend Developer:**
 - Develops the server-side logic and functionality of the "Dope Spot" website, including database interactions and business logic.
 - Designs and implements APIs and web services to enable communication between the frontend and backend systems.
 - Ensures the security, scalability, and performance of backend systems, optimizing code and infrastructure as needed.
- **Project Designer:**
 - Creates visual aids such as flowcharts, sitemaps, and user journey maps to communicate the project plan and user experience.
 - Collaborates with designers and developers to ensure clear communication of project goals and functionalities.
- **Business Analyst:**
 - Analyzes business needs and translates them into project requirements.
 - Creates user stories and functional specifications to define the functionalities of the Dope Spot platform.
 - Works with stakeholders to identify and prioritize project features.
- **Administration Manager:**

- Provides administrative support to the project team, handling tasks such as scheduling meetings, managing documentation, and travel arrangements.
- **Quality Manager:**
 - Establishing testing procedures and ensuring their implementation.
 - Monitors defect tracking and resolution processes. (Consider if a dedicated role is needed based on project size and complexity)

Appendix 2: High-Level Project Plan

Macro-activities	A1 Planning
Description	This macro activity includes defining project objectives, breaking down the project into smaller tasks, estimating the time and resources needed, and identifying risks.
Sub-activities	A1.1 Abstract A1.2 PID A1.3 WBS and PBS A1.4 GANTT and PERT
Responsible	Project Manager
Products	P1.1 Abstract P1.2 PID P1.3 WBS, PBS P1.4 GANTT and PERT
Duration	10 gg
Total Cost	1520 \$
prerequisites	-

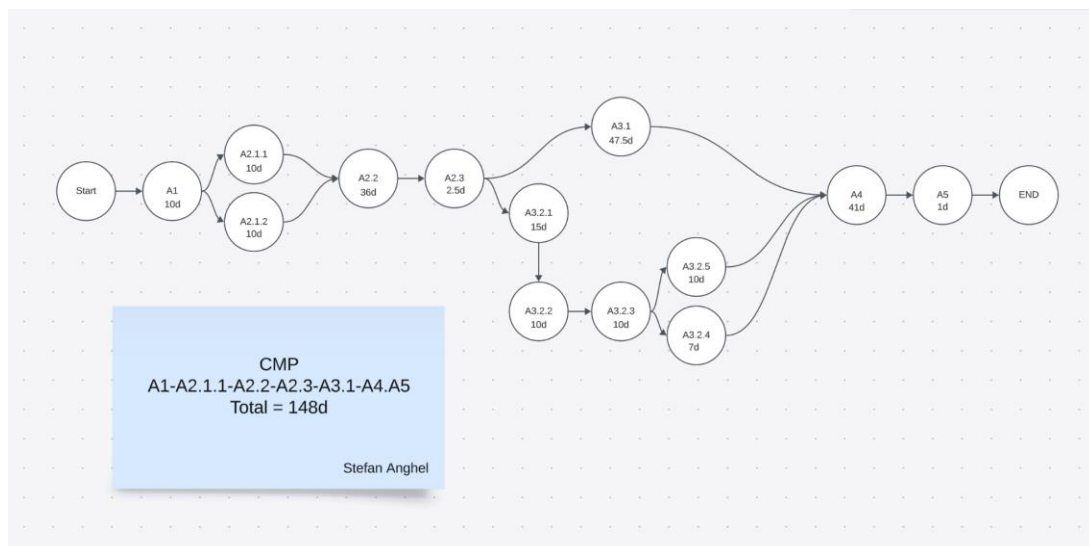
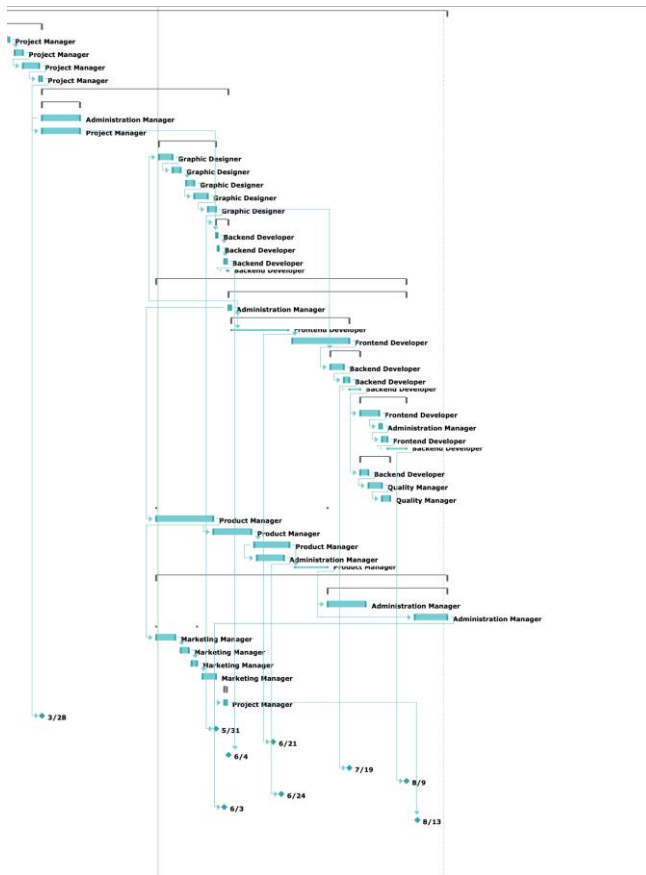
Macro-activities	A2 Project Design
Description	During the design, all the bases were defined to be able to begin the implementation, i.e. the ER and logical scheme were drawn up, and the user interface, user experience and information architecture were designed
Sub-activities	A2.1 Market Analysis A2.2 Website design and layout A1.3 Database development
Responsible	Project Manager
Products	P1.1 Target and Competitor P1.2 Website Layout P1.3 Database
Duration	28.5 gg
Total Cost	5020 \$
prerequisites	P1

Macro-activities	A3 Realization
Description	The implementation phase is the central phase of the project life cycle, in which the ideas and plans developed in the previous phases come to fruition. In this phase, the project team actively works to build the system.
Sub-activities	A3.1 Website Development A3.2 Product Management
Responsible	Project Manager
Products	P3.1 Website P3.2 Product Catalog
Duration	67 gg
Total Cost	12128 \$
prerequisites	P2

Macro-activities	A4 Deployment
Description	The deployment phase is the final phase of the project life cycle, in which the system is made available to end users.
Sub-activities	A4.1 Legal and Compliance A4.2 Marketing and Promotion A4.3 Launch
Responsible	Project Manager
Duration	17 gg
Total Cost	4202 \$
Prerequisites	P3

Macro-activities	A5 Final Review
Description	The Finale Review phase helps to view the result of the project
Sub-activities	A5.1 Marketing campaign
Responsible	Project Manager
Duration	3 d
Total Cost	456 \$
Prerequisites	P4

Appendix 3:Gantt and Pert



Appendix 4: Project Costs

WBS	Phase	Internal Cost	General Cost	SW	HW	DB	Advice	Marketing	TOT
A1	Planning	1520	130	1500	0	130	100	0	3380
A2	Project Design	5020	325	800	1500	325	1500	0	9470
A3	Realization	12168	689	800	3200	689	300	0	17077
A4	Deployment	4032	500	900	700	500	0	3000	6132
A5	Final Review	456	50	0	120	50	0	4000	626

Appendix 5: gap analysis

Phase	Planning
Objectives	Define project objectives and create a project team.
Plan	10 working days.
Actual	10 working days.
Deviation	none

Phase	Project Design
Objectives	Define project requirements, deadlines, and necessary resources.
Plan	28.5 working days.
Actual	28.5 working days.
Deviation	none.

Phase	Realization
Objectives	Design user interface, functionalities, database, Website development and Product management.
Plan	67 working days.
Actual	78 working days.
Causes	<ul style="list-style-type: none"> • Errors with xampp • problems with the laravel version change, • Too complex user interface • poorly structured database
Preventive actions	<ul style="list-style-type: none"> • Conduct thorough testing and debugging of XAMPP setup before project initiation • Implement a detailed plan for managing Laravel version changes, including testing and compatibility checks. • Simplify the user interface design to reduce complexity. • Establish a clear database structure and adhere to best practices during development to ensure proper organization and efficiency.
Deviation	11 working days

Phase	Deployment
Objectives	
Plan	41 working days.
Actual	45 working days.
Causes	<ul style="list-style-type: none"> • Legal Problem
Preventive actions	<ul style="list-style-type: none"> • Protect user privacy
Deviation	4 working days

Phase	Final Review
Objectives	Website launch
Plan	3 working days.

Actual	3 working days.
Deviation	none.

Appendix 6: Product Software Evaluation

What is PSLOC?

Physical Source Lines of Code (PSLOC) is a metric used to measure the size of a software codebase by counting the number of physical lines of code. It includes all lines that make up the source files, such as:

- Blank lines: Lines without any code or comments.
- Comment lines: Lines containing only comments.
- Code lines: Lines that contain actual code, excluding blank and comment lines.

PSLOC is often used in software engineering to estimate the complexity and effort required for maintaining or developing software. It helps in understanding the scale of the project and is useful for various analyses like productivity, quality, and cost estimation.

My Project's PSLOC Breakdown

I provided two separate pSLLOC summaries for different parts of my project.

Here's an analysis and reference to your project's real code:

Language	files	blank	comment	code	Lsloc %	Lsloc
Blade	14	106	76	770	30%	539
Vuejs Component	9	73	62	632	30%	442
PHP	19	226	134	730	30%	511
JavaScript	1	1	0	16	30%	11
CSS	1	1	0	7	40%	3
SCSS	1	0	0	1	40%	1
SUM:	44	407	272	2156		1507

Comprehensive Project View

1. Blade : Used for creating the view layer in a Laravel application.
2. Vue.js Components: Front-end components managed within the Laravel framework, enhancing interactivity.
3. JavaScript, CSS, SCSS: Supporting front-end technologies for styling and functionality.
4. PHP: Back-end logic and server-side scripting.

Generated Code by Laravel and Node

In addition to the manually written code, you've mentioned that other parts of your project are generated by Laravel and npm. This typically includes:

- Laravel: Automatically generates code for web applications such as controllers, models, views, and migrations.
- npm: Manages JavaScript dependencies and can generate boilerplate code, manage scripts, and handle front-end build processes.

Language	files	blank	comment	code
JavaScript	11291	160421	359740	1533815
PHP	7633	123055	263982	538856
JSON	1218	82	0	300228
TypeScript	3965	12037	94304	169405
Markdown	1360	53437	611	138987
YAML	121	148	42	104235
CSS	45	6518	429	19267
SVG	2055	0	15	10842
SCSS	34	590	143	8729
LESS	32	586	116	8697
XSD	17	113	48	7154
Text	31	963	0	2121
Blade	49	284	151	2026
reStructuredText	37	1103	1402	1293
Bourne Shell	7	180	121	877
Vuejs Component	9	73	62	632
Bourne Again Shell	5	116	60	573
Windows Module Definition	5	83	0	451
HTML	10	27	4	286
XML	10	8	9	235
Dockerfile	5	48	2	216
INI	12	40	4	165
make	6	34	7	71
AppleScript	1	11	23	61

Python	1	70	155	43
zsh	1	10	31	41
Nix	1	1	0	19
Fish Shell	1	7	6	16
DOS Batch	3	0	0	8
SQL	1	0	0	2
CoffeeScript	1	1	0	0
Fortran 77	4	0	29	0

SUM:	27971	360046	721496	2849351
