Color Glasses Project Management

By Camaleon Inc. (Fariba-Gerard-David)

[Project Charter]

What is our Project about?

Project:

Color Glasses

Goal: *Develop glasses that can change color to match outfits and preferences.*

Why is this project **important**?
Growing demand for innovative fashion-tech solutions.

Deliverables:

- Functional prototype of color-changing glasses.
- Mobile app for color control.

Success Criteria:

- Launch product within the agreed timeline
- Achieve 80% positive feedback on color features

Project Scope

- **Within** Scope: Designing the glasses and mobile app.
- **Out** of Scope: Long-term maintenance and AR functionality.

Timeline, Budget, and Risks

Budget:

- Material costs: $50,000
- App development: $20,000
- Testing: $15,000

Key Milestones

- Material research
- Prototype development
- App design and testing
- Product launch

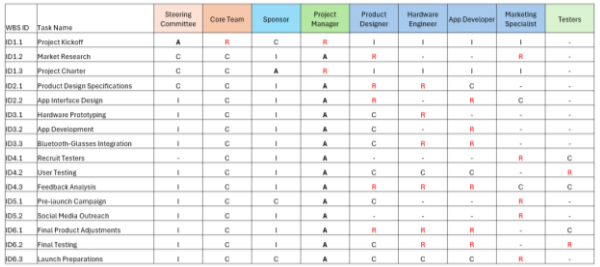
Risks

- Technical challenges in material development.
- Competition from rival brands.
- App bugs affecting user experience.

Gantt Chart

- Project Management Plan

RACI



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ID1.2	Market Research	C	C	I	A	R	-	-	R	-
ID1.3	Project Charter	C	C	A	R	I	I	I	I	-
ID2.1	Product Design Specifications	C	C	I	A	R	R	C	-	-
ID2.2	App Interface Design	I	C	I	A	R	-	R	C	-
ID3.1	Hardware Prototyping	I	C	I	A	C	R	-	-	-
ID3.2	App Development	I	C	I	A	C	-	R	-	-
ID3.3	Bluetooth-Glasses Integration	I	C	I	A	C	R	R	-	-
ID4.1	Recruit Testers	-	C	I	A	-	-	-	R	C
ID4.2	User Testing	I	C	I	A	C	C	C	-	R
ID4.3	Feedback Analysis	I	C	I	A	R	R	R	C	C
ID5.1	Pre-launch Campaign	I	C	C	A	C	-	-	R	-
ID5.2	Social Media Outreach	I	C	I	A	-	-	-	R	-
ID6.1	Final Product Adjustments	I	C	I	A	R	R	R	-	C
ID6.2	Final Testing	I	C	I	A	C	R	R	-	R
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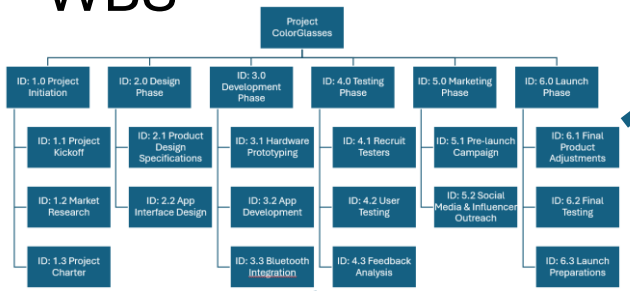
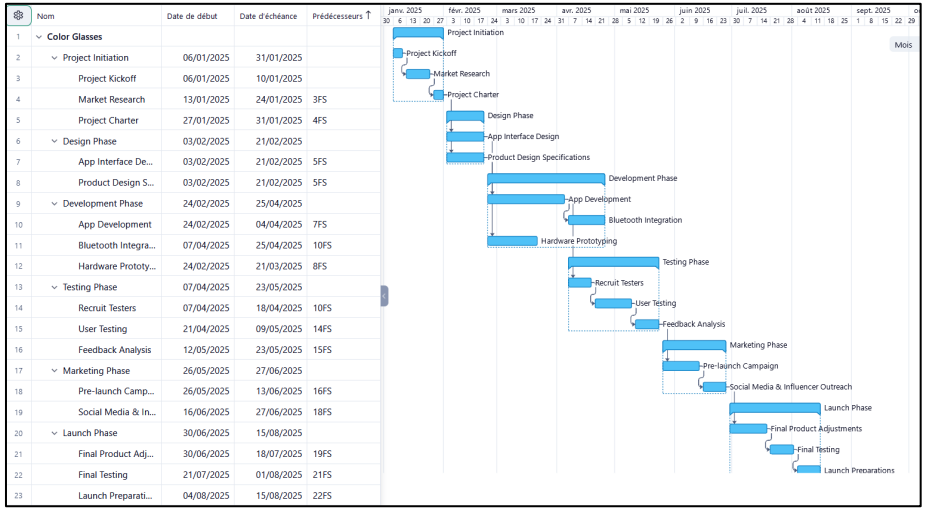
WBS



Gantt Chart



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Phase-Based

Gantt Chart - Phases

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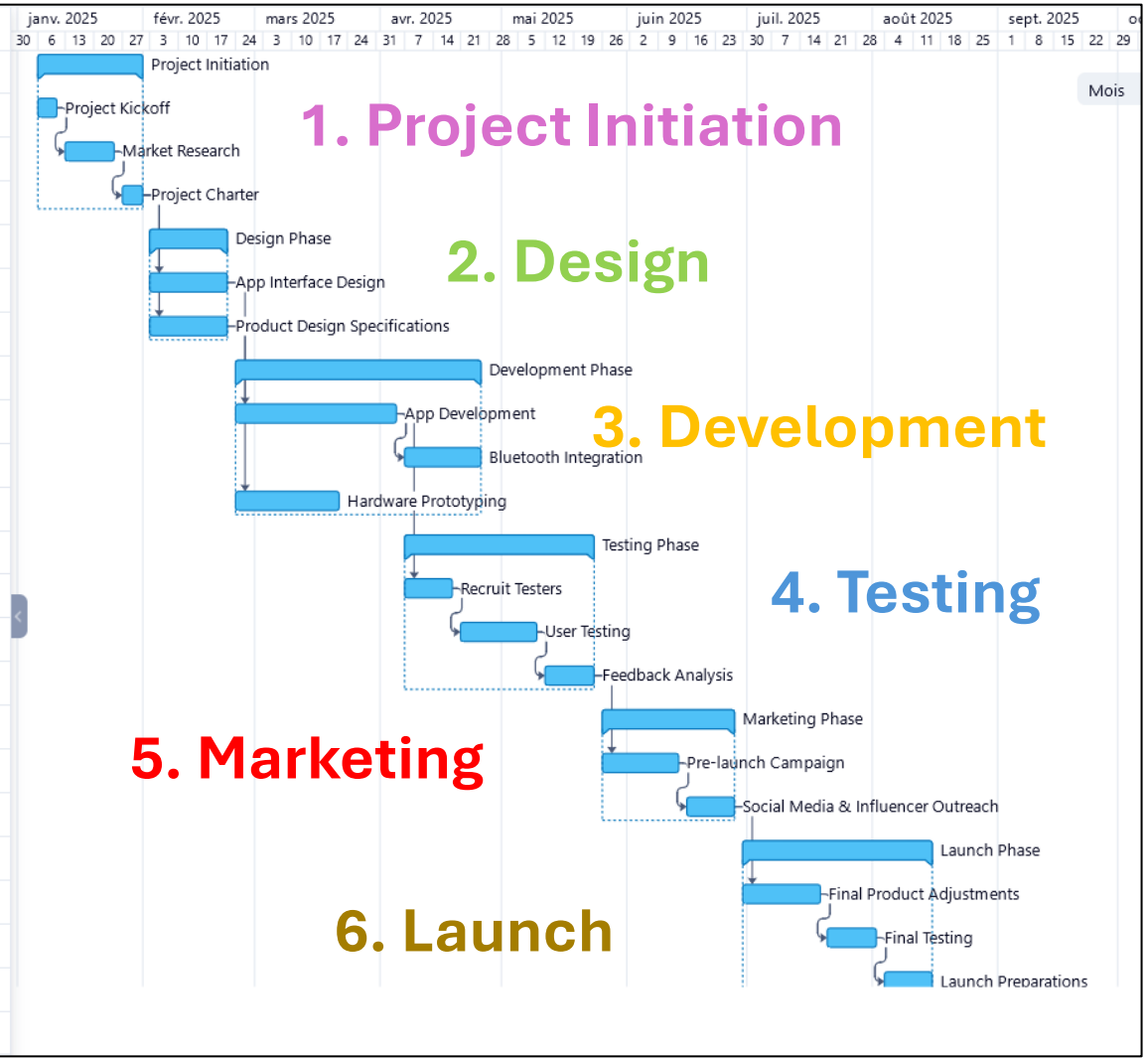
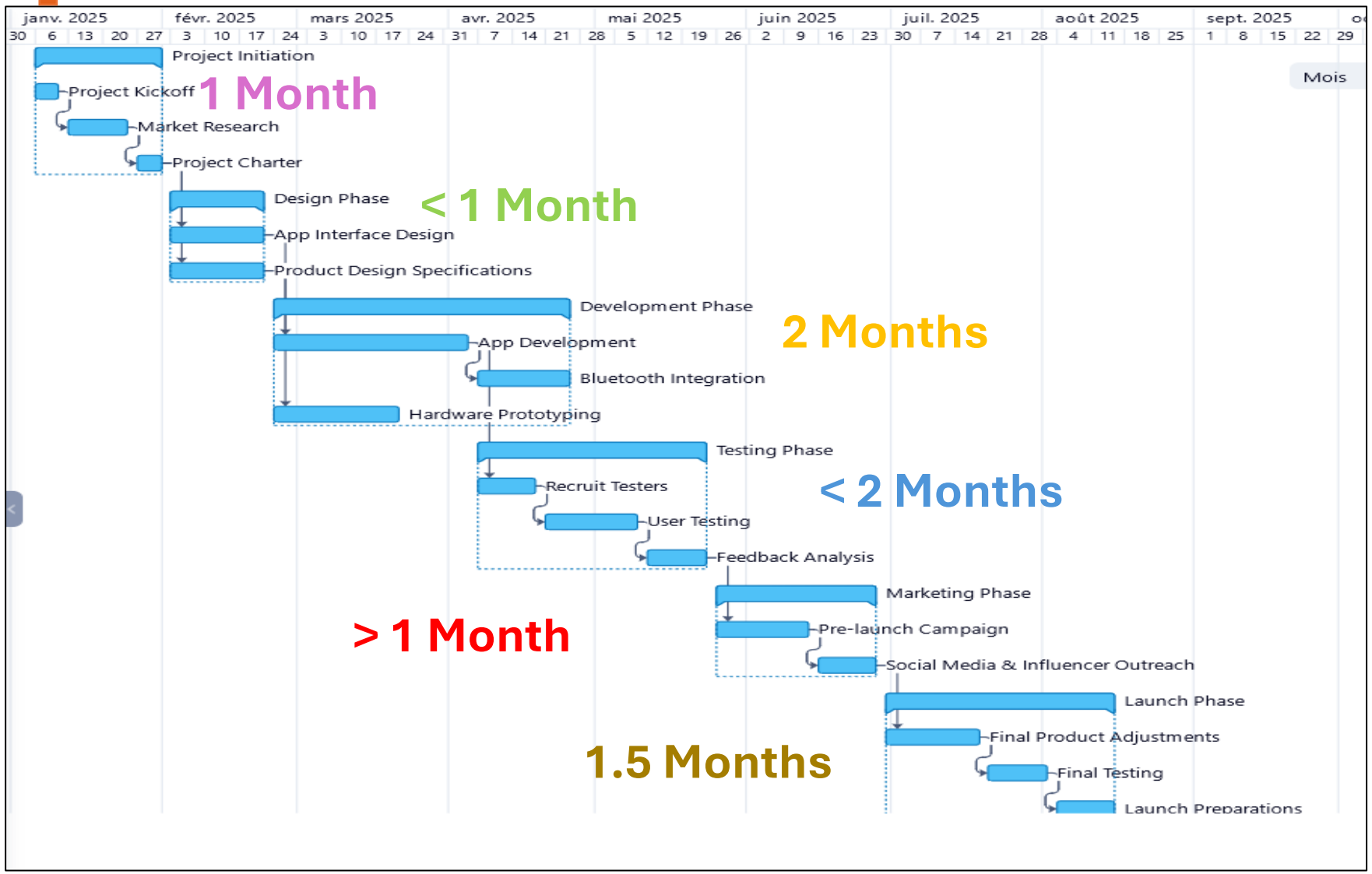


Gantt Chart – Timeline

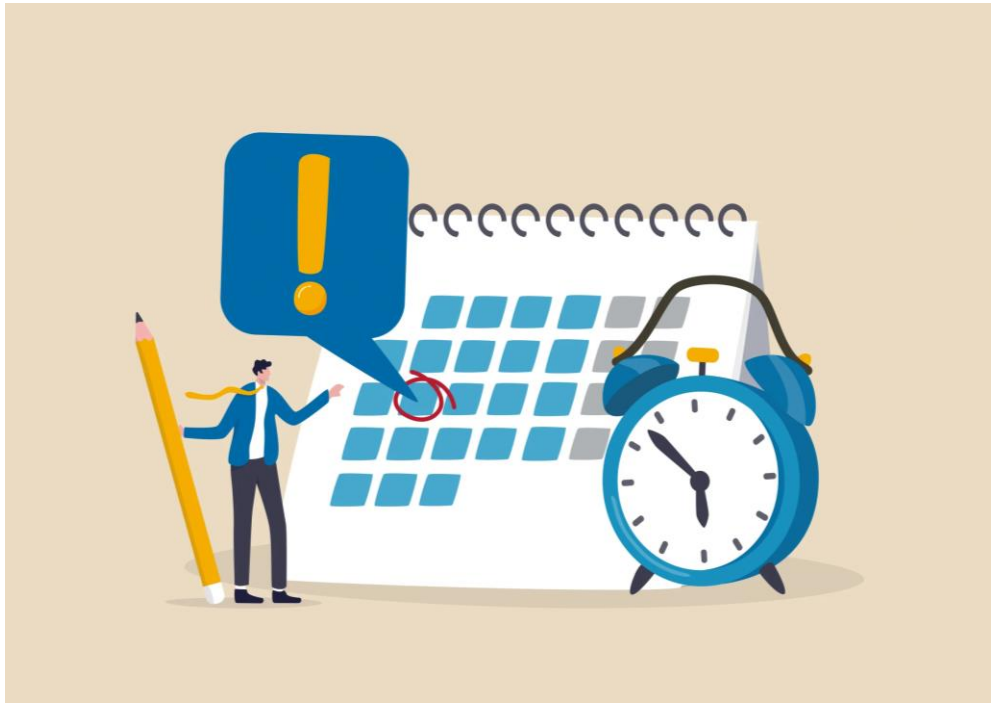
< 8 Months

1. Project Initiation
2. Design
3. Development
4. Testing
5. Marketing
6. Launch



Risk Management Matrix

Risk Description	Probability (1-5)	Impact (1-5)	Score	Owner (Responsible)	Risk Response	Action (Prevention)	Monitoring
Delays in Bluetooth module delivery	3	4	12	Project Manager	Mitigation	Plan	Meeting
App and glasses integration issues	2	3	6	App Developer	Accept		
Battery life limitations	1	1	1	Hardware Engineer	Ignore		
Low user adoption due to complexity	3	2	6	Marketing Specialist	Accept		
Budget overruns	3	2	6	Sponsor	Accept		
Component defects during prototyping	3	3	9	Hardware Engineer	Mitigation	Plan	Meeting
Negative user feedback during testing	1	2	2	Project Manager	Ignore		
Competitor launching a similar product	3	4	12	Marketing Specialist	Mitigation	Plan	Meeting
Regulatory compliance issues	3	4	12	Project Manager	Mitigation	Plan	Meeting
Team member unavailability during critical phases	3	3	9	Project Manager	Transfer	Ask for help	



Role Play

Launch in Record Time or Fall Behind!

- The competition is about to strike, and David, the sponsor, demands the project launch one month early. Kra, the project manager, and Fariba, the product designer, must find a way to deliver—without breaking the budget or sacrificing quality. **Can the team align expectations and rise to the challenge?**

Reflexions

Concepts to Keep	Inspiring Actions
Clear communication / channels	Foster collaboration with clear communication
Structured meetings & task delegation	Conduct effective, regular meetings
Leveraging diverse expertise	Embrace diversity for creative solutions
Building team trust & synergy	Build trust for productive teamwork
Applying PM methodologies	Apply PM tools in various industries (chemistry, fashion, AI)

Thank you for your attention

Back-Up

Project Charter

UNIVERSITÉ CÔTE D'AZUR

PROJECT CHARTER

PROJECT NAME	ColorGlasses	SPONSOR	Camaleon Inc.
PROJECT MANAGER	Fariba	DEPARTMENT	product R&D

PROJECT PRESENTATION

CONTEXT AND JUSTIFICATION

In 2025, there is a growing demand for technological fashion, particularly in eyewear. Consumers increasingly seek products that are both functional and stylish, with a focus on fashion-tech innovation. The development of color-changing smart glasses aligns with market trends, as it provides a customizable and innovative accessory. By using existing advancements in smart materials, the project aims to be the first to market with a groundbreaking product.

GOAL OF THE PROJECT

To create glasses that can change color to match outfits and personal preferences, merging existing smart material technology with fashion innovation.

SUCCESS CRITERIA

To create innovative glasses that can change color based on the wearer's outfit and personal preferences, incorporating advanced technology into fashion.

OBJECTIVES OF THE PROJECT	KPIs
Be the first to market with color-changing glasses	Achieve a product release date within the agreed timeline
Incorporate the new color changing material in our lenses	Gather at least 80% positive feedback on color options in user testing.
Design and implement a mobile app for glasses control	Demonstrate advanced features in prototypes
Establish a default color palette for the glasses	
developing special features for lenses	

PERIMETER	
WITHIN SCOPE	OUT OF SCOPE
Design and development of the mobile application or platform that controls the color change	Development of prescription lenses or AR functionality
Creating a set of default color palettes for users	Support for third-party fashion apps
Ensuring durability and user-friendliness of the glasses	Long-term maintenance or repair services
Integration of pre-developed smart material into glasses design	Custom user-generated colors outside initial app scope

DELIVERABLES
Functional prototype of color-changing glasses
Mobile app for color control
User manual with setup and usage instructions
Final R&D documentation for product integration and testing results

STAKEHOLDERS AND PROJECT ORGANISATION		
NAME	ROLE	TEAM
Fariba	Project Manager	Steering Committee
Fariba	President	Steering Committee
Google/Meta Executive	Sponsor	Steering Committee
Fariba	Product designer	Core Team
Gerard	Mobile App Developer	Core Team
David	Hardware Engineer	Core Team
David	Marketing Specialist	Core Team

PLAN	
MILESTONE	DATE
Completion of material reserch	Januray 15,2025
Prototype development	April 4, 2025
App design and testing	July 25, 2025
Final product adjustments	September 19, 2025
App design and testing	May 16, 2025
Product launch	October 17, 2025

RISK FACTORS	
ASSUMPTIONS	DEPENDENCIES
Availability of advanced smart material for lenses	Partnerships with material suppliers
Existnig team expertis in app and material design	Successful integration of app and glasses technology
High consumer interest in technologically enhanced fashion products	Timely feedback from user testing

CONSTRAINTS	RISKS
Budget limitations for research and app development	Technical challenges in material development
Tight timeline to be the first to market	App bugs affecting user experience
	Competition from rival brands developing similar products
	Competition from rival brands.

BUDGET	
WORKLOAD ESTIMATION	OTHER COSTS
Materials/Hardware Team: 500 hours	Material costs: $50,000
App Development Team: 400 hours	App development software/tools: $20,000
Design Team: 200 hours	Marketing and launch campaigns: $30,000
Testing Team: 200 hours	Testing and feedback sessions: $15,000

RACI - Table

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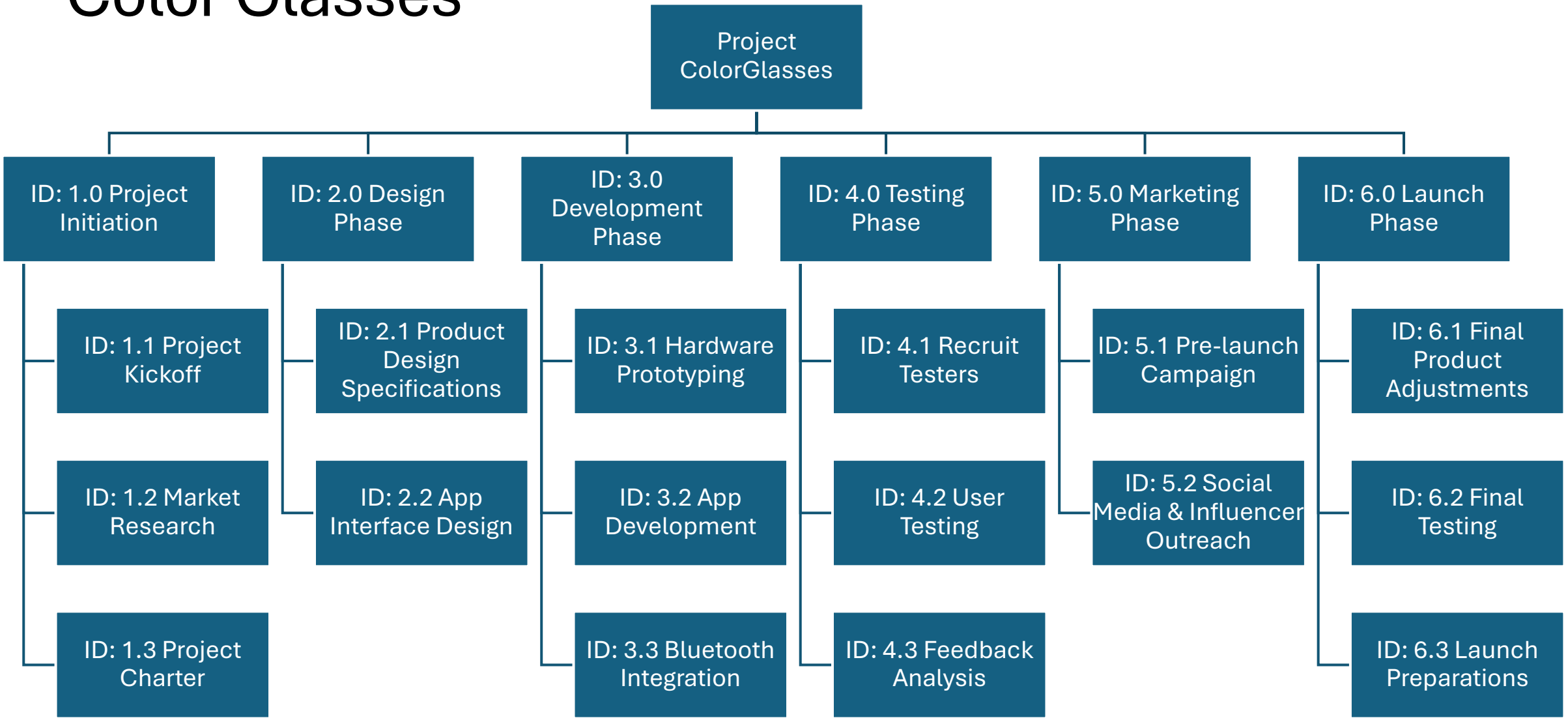
WBS – Project Color Glasses



Gantt

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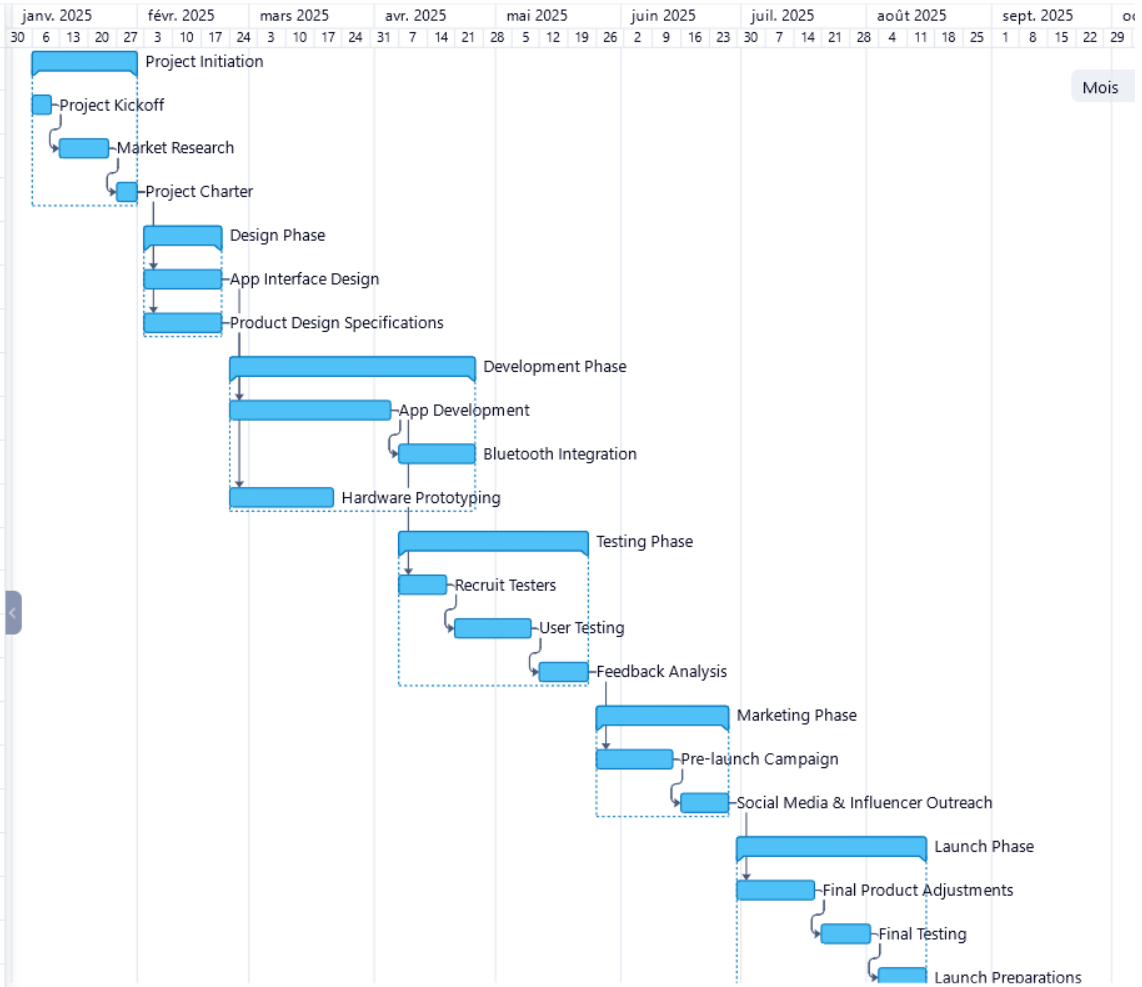

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App and glasses integration issues	2	3	6	App Developer	Accept	Conduct early integration testing and use modular coding to address issues quickly.		
Battery life limitations	1	1	1	Hardware Engineer	Ignore	Optimize power consumption by selecting efficient components and testing power profiles.		
Low user adoption due to complexity	3	2	6	Marketing Specialist	Accept	Focus on user-friendly design and include clear instructions for app and glasses setup.		
Budget overruns	3	2	6	Sponsor	Accept	Establish a contingency budget and monitor spending weekly to identify overruns early.		
Component defects during prototyping	3	3	9	Hardware Engineer	Mitigation	Test components thoroughly upon delivery and maintain backup inventory for critical parts.	Plan	Meeting
Negative user feedback during testing	1	2	2	Project Manager	Ignore	Use feedback to refine product and adjust non-essential features based on user preferences.		
Competitor launching a similar product	3	4	12	Marketing Specialist	Mitigation	Highlight unique features in marketing and accelerate launch timeline to stay competitive.	Plan	Meeting
Regulatory compliance issues	3	4	12	Project Manager	Mitigation	Consult with legal experts early and adhere to all applicable safety and data privacy standards.	Plan	Meeting
Team member unavailability during critical phases	3	3	9	Project Manager	Transfer	Cross-train team members and prepare contingency plans for staff changes or absences.	Ask for help	