

Stay Focus– Work Breakdown Structure (WBS)

Level 1: 1.0 STAY FOCUC EXTINCTION

Level 2: Major Phases

- 1.1 System Analysis & Planning
 - 1.2 System Design
 - 1.3 AI Model Integration (Pre-trained Eye-Tracking Model)
 - 1.4 System Development
 - 1.5 System Testing & Validation
 - 1.6 Deployment & Documentation
 - 1.7 Project Closure
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Level 3: Tasks under Each Phase

1.1 System Analysis & Planning

- 1.1.1 Gather requirements (AI eye-tracking, extension behavior, user interactions)
 - 1.1.2 Identify hardware & software needs (camera access, browser compatibility)
 - 1.1.3 Define privacy & security constraints (local processing – no storage)
 - 1.1.4 Identify user flow and interaction logic
 - 1.1.5 Create project schedule and assign tasks
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1.2 System Design

- 1.2.1 Design user interface and user experience (UI/UX) for the extension
 - 1.2.2 Design system architecture (AI model → processing → extension UI)
 - 1.2.3 Prepare prototypes (popup UI, settings window, eye-tracking indicators)
 - 1.2.4 Review and approval of design
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1.3 AI Model Integration

- 1.3.1 Select pre-trained eye-tracking AI model
 - 1.3.2 Validate model performance and accuracy
 - 1.3.3 Prepare model conversion/optimization for browser use (Web-based runtime)
 - 1.3.4 Test model locally with sample inputs
 - 1.3.5 Ensure privacy (processing on-device, no data storage)
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1.4 System Development

- 1.4.1 Develop browser extension core logic (Chrome/Edge/Firefox)
 - 1.4.2 Implement AI eye-tracking pipeline inside the extension
 - 1.4.3 Implement UI components for popup/settings
 - 1.4.4 Implement performance optimizations (CPU/GPU usage)
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1.5 System Testing & Validation

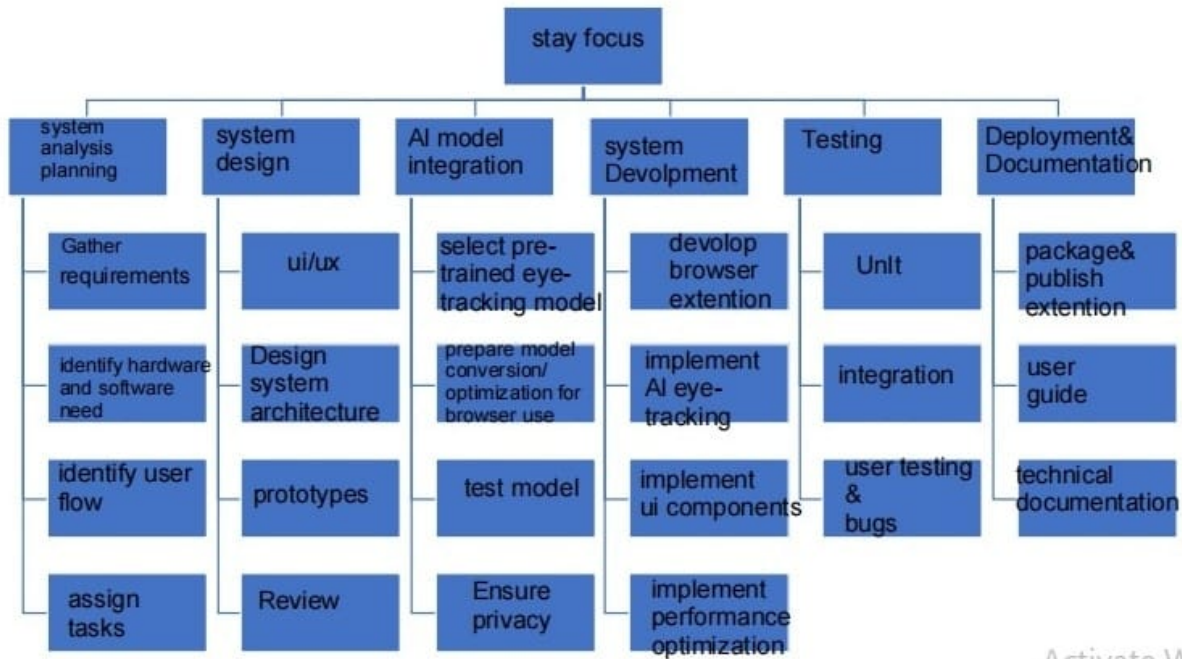
- 1.5.1 Unit testing (AI model + extension features)
 - 1.5.2 Integration testing (AI + camera + extension logic)
 - 1.5.3 User testing (stability, responsiveness)
 - 1.5.4 Bug fixing and optimization
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1.6 Deployment & Documentation

- 1.6.1 Package and publish extension to Chrome Web Store
 - 1.6.2 Prepare user guide (how to enable camera, how to use features)
 - 1.6.3 Prepare technical documentation (AI model, pipeline, architecture)
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1.7 Project Closure

- 1.7.1 Final review meeting and approval
- 1.7.2 Submit final documentation
- 1.7.3 Handover to stakeholders



Activate Windows
Go to Settings to activate Windows.

WBS DICTIONARY

Code	Task Description	Assigned People	No. of Resources	Budget (LE)	Milestone (Date)
1.1.1	Gather requirements	Ahmed Nasser (Analyst), Sarah Fathy (Researcher)	2	1,000	05/03/2025
1.1.2	Identify hardware and software needs	Omar Khaled (System Analyst)	1	500	10/03/2025
1.1.4	Create a project schedule and assign tasks	Laila Mostafa (Project Manager)	1	700	15/03/2025
1.2.1	Design UI/UX	Hossam Magdy (UI/UX Designer), Jana Ali (Graphic Assistant)	2	1,200	25/03/2025
1.2.3	Prepare prototypes	Jana Ali (Designer), Youssef Kamal (Frontend Dev)	2	1,000	5/04/2025
1.2.4	Review and approve design	Laila Mostafa (PM), Ahmed Nasser (Analyst)	2	500	5/04/2025
1.2.5	AI Model Integration	Alaa(Machine Learning Integration Engineer)	2	12000	15/04/2025
1.3.1	Frontend development using Flutter	Youssef Kamal, Reem Tamer (Developers)	2	2,500	20/04/2025
1.3.2	Backend development using SQLite	Mariam Said (DB Dev), Ali Hassan (Backend Dev)	2	2,000	25/04/2025
1.4.1	Unit testing (individual functions)	Rania Fathy (Tester), Ahmed	2	1,000	20/05/2025

1.4.2	Integration testing (SQLite)	Salah (QA Engineer) Ahmed Salah (QA), Youssef Kamal (Dev)	2	800	30/05/2025
1.4.3	User acceptance testing	Ministry of Health team (3 reviewers)	3	700	5/06/2025
1.4.4	Bug fixing and optimization	Developers team	2	1,000	15/06/2025
1.5.1	Deploy app to Android and iOS	Ali Hassan (Dev), Laila Mostafa (PM)	2	1,200	25/06/2025
1.5.2	Conduct user training	Sarah Fathy (Trainer)	1	600	5/07/2025
1.5.3	Prepare user manuals and technical documentation	Mariam Said (Tech Writer), Jana Ali (Designer)	2	1,000	10/07/2025
1.6.1	Final review meeting and approval	Laila Mostafa (PM), Ministry of Health Rep.	2	500	15/07/2025
1.6.2	Submit final report and documentation	PM + Team	3	400	20/07/2025
1.6.3	Handover to Ministry of Health	PM + IT Admin	2	600	25/7/2025

Responsibility Matrix

WBS Code & Task	Laila (PM)	Ahmed (Analyst)	Sarah (Researcher)	Omar (System Analyst)	Mariam (DB Dev)	Hossam (UI/UX)	Jana (Designer)	Youssef (Frontend)	Ali (Backend)	Ahmed S. (QA)	Rania (Tester)	MOH Team
Gather requirements	S	R	R	S	-	-	-	-	-	- -	-	-
Identify hardware & software needs	S	R	-	R	-	-	-	-	-	- -	-	-
Define database schema (SQLite)	-	S	-	S	R	-	-	-	-	- -	-	-
Create project schedule & assign tasks	R	S	-	-	-	-	-	-	-	- -	-	-
Design UI/UX	S	-	-	-	-	R	S	-	-	- -	-	-
Design database tables & relationships	-	-	-	S	R	-	-	-	-	- -	-	-
Prepare prototypes	-	-	-	-	-	R	R	S	-	- -	-	-
Review & approval of design	R	S	-	-	S	-	-	-	-	- -	-	-
Frontend development (Flutter)	S	-	-	-	-	S	-	R	-	S -	-	-
Backend development (SQLite)	-	-	-	-	R	-	-	-	R	- -	-	-
Integrate text, images, and videos	-	-	-	-	S	S	R	R	-	S -	-	-
Implement offline access feature	-	-	-	-	S	-	-	-	R	- -	-	-
Unit testing (individual functions)	-	-	-	-	-	-	-	S	S	S R	R	-

WBS Code & Task	Laila (PM)	Ahmed (Analyst)	Sarah (Researcher)	Omar (System Analyst)	Mariam (DB Dev)	Hossam (UI/UX)	Jana (Designer)	Youssef (Frontend)	Ali (Backend)	Ahmed S. (QA)	Rania (Tester)	MOH Team
Integration testing (+ SQLite)	-	-	-	-	S	-	-	S	S	- R	R	-
User acceptance testing (MOH approval)	S	-	-	-	-	-	-	-	-	- S	-	R
Bug fixing & optimization	-	-	-	-	S	-	-	R	R	S S	-	-
app (Android/iOS)	Deploy R	-	-	-	S	-	-	S	R	S -	-	-
Conduct user training	S	-	R	-	-	-	-	-	-	- -	-	S
Prepare manuals & documentation	S	-	-	-	R	-	R	-	-	- -	-	-
Final review & approval meeting	R	S	-	-	-	-	-	-	-	- -	-	R
Submit final report & documentation	R	S	-	-	S	-	-	-	-	- -	-	-
R	-	-	-	-	-							