

# **Stay Focus – Work Breakdown Structure (WBS)**

## **Level 1: 1.0 STAY FOCUS EXTINCTION**

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### **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

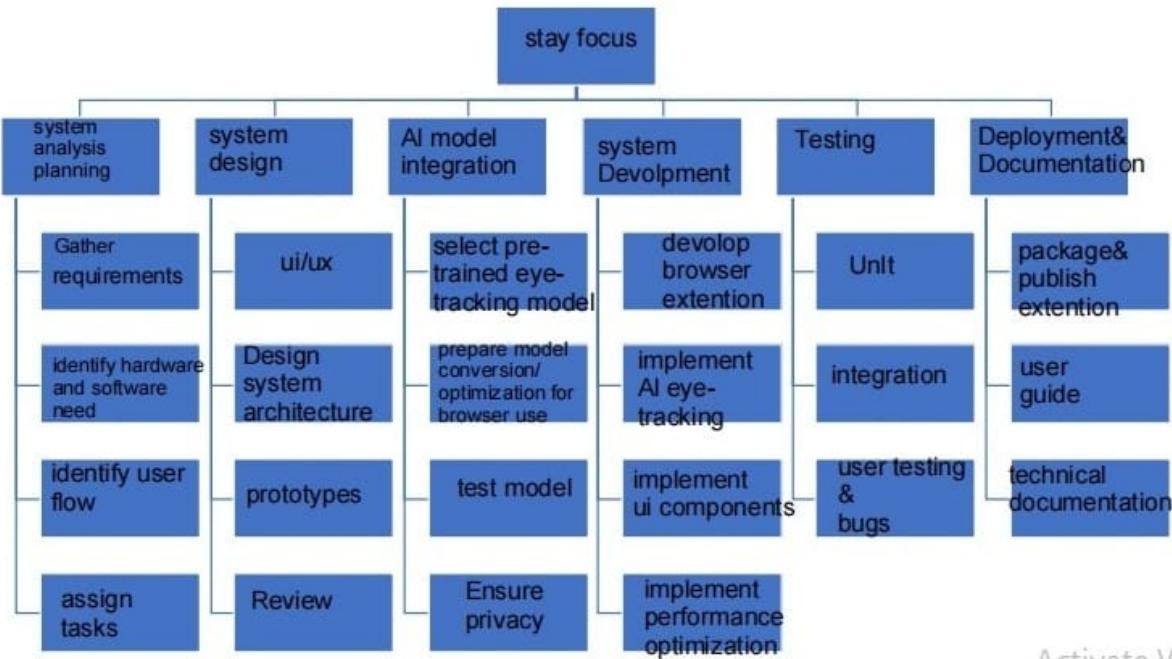
- 1.5.1 Unit testing (AI model + extension features)
  - 1.5.2 Integration testing (AI + camera + extension logic)
  - 1.5.3 User testing (stability, responsiveness)
  - 1.5.4 Bug fixing and optimization
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## 1.6 Deployment & Documentation

- 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

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

**1.4.2** Integration testing (SQLite)

**1.4.3** User acceptance testing

**1.4.4** Bug fixing and optimization

**1.5.1** Deploy app to Android and iOS

**1.5.2** Conduct user training

**1.5.3** Prepare user manuals and technical documentation

**1.6.1** Final review meeting and approval

**1.6.2** Submit final report and documentation

**1.6.3** Handover to Ministry of Health

Salah (QA Engineer)				
Ahmed Salah (QA), Youssef Kamal (Dev)	2	800	30/05/2025	
Ministry of Health team (3 reviewers)	3	700	5/06/2025	
Developers team	2	1,000	15/06/2025	
Ali Hassan (Dev), Laila Mostafa (PM)	2	1,200	25/06/2025	
Sarah Fathy (Trainer)	1	600	5/07/2025	
Mariam Said (Tech Writer), Jana Ali (Designer)	2	1,000	10/07/2025	
Laila Mostafa (PM), Ministry of Health Rep.	2	500	15/07/2025	
PM + Team	3	400	20/07/2025	
PM + IT Admin	2	600	<b>25/7/2025</b>	

# 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 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	-	-
Deploy 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	-	-	-	-	-	-	-	-	-	--	-	-