

WORK BREAKDOWN STRUCTURE (WBS) – DOMAIN DIVE

| WBS ID | TASK NAME | DESCRIPTION | START DATE | END DATE |
|--------|-----------------------------------|--|--------------|--------------|
| 1.0 | Planning | Team formation, requirement gathering, tool finalization | 16-JUNE-2025 | 20-JUNE-2025 |
| 1.1 | Team Formation | Assigning team members and responsibilities | 16-JUNE-2025 | 17-JUNE-2025 |
| 1.2 | Requirement Gathering | Collecting functional and technical requirements | 17-JUNE-2025 | 19-JUNE-2025 |
| 1.3 | Finalizing Tools and Technologies | Choosing tech stack: Flask, MongoDB, etc. | 19-JUNE-2025 | 20-JUNE-2025 |
| 2.0 | Visual Design | System design and UI/UX layout | 21-JUNE-2025 | 22-JUNE-2025 |
| 2.1 | System Architecture | High-level architecture including modules and data flow | 21-JUNE-2025 | 22-JUNE-2025 |
| 3.1 | Backend Development | Developing Flask APIs and logic | 23-JUNE-2025 | 27-JUNE-2025 |
| 3.2 | Frontend Development | UI/UX Design Building HTML/CSS/JS-based interfaces | 27-JUNE-2025 | 01-JULY-2025 |
| 3.3 | Database Integration | Connecting MongoDB to application | 02-JULY-2025 | 04-JULY-2025 |
| 3.4 | Module Integration | Merging modules: WHOIS, DNS, Metadata, etc. | 02-JULY-2025 | 09-JULY-2025 |
| 4.0 | Testing | Functional and security testing | 09-JULY-2025 | 11-JULY-2025 |

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| | | Integration Testing | | |
| 4.1 | Unit Testing | Individual component validation | 09-JULY-2025 | 10-JULY-2025 |
| 5.0 | Report Generation | Exporting analysis results securely | 11-JULY-2025 | 13-JULY-2025 |
| 5.1 | PDF Generation | Auto-generation of reports from data | 11-JULY-2025 | 12-JULY-2025 |
| 5.2 | Report Encryption | AES-256 encryption and password protection | 10-JULY-2025 | 1 1-JULY-2025 |
| 6.0 | Hosting Setup | Local or cloud deployment configuration | 12-JULY-2025 | 13-JULY-2025 |
| 6.1 | Final Deployment | Verification and user access validation | 13-JULY-2025 | 14-JULY-2025 |
| 7.0 | Documentation User Guide | Creating user and technical guides | 15-JULY-2025 | 17-JULY-2025 |
| 7.1 | Developer Documentation | APIs, backend logic, system design references | 15-JULY-2025 | 16-JULY-2025 |
| 8.0 | Final Presentation | Project demonstration and delivery | 22-JULY-2025 | 22-JULY-2025 |