Project Plan

Genzai

Venlo

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Onboarding process

* 1. Global Planning

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| **Phases** | **Start date** | **End Date** |
| Initial project planning, getting to know the team and use cases separation | 06/02/2023 | 14/02/2023 |
| Sprint 1: Analysis and initial design. | 22/02/2023 | 08/03/2023 |
| Sprint 2: Analysis, update analysis and design artefacts, hotel research, initial implementation. | 08/03/2023 | 22/03/2023 |
| Sprint 3: Update design artefacts, Docker & AWS research. | 22/03/2023 | 05/04/2023 |
| Sprint 4: Database implementation changes/updates, and base endpoints. PostgreSQL on Docker implement. | 05/04/2023 | 19/04/2023 |
| Sprint 5: Back-end structure update, endpoints implementation, unit testing. Back-end on the cloud (AWS) implement. | 19/04/2023 | 03/05/2023 |
| Sprint 6: Back-end – database communication models and endpoints implementation, unit testing. | 03/05/2023 | 17/05/2023 |
| Sprint 7: Endpoints implementation and unit testing, update analysis and design artefacts. | 17/05/2023 | 31/05/2023 |
| Sprint 8: Fix known bugs, modify unit tests | 31/05/2023 | 14/06/2023 |
| Sprint 9: Wrap up (Optimization, polish the app, additional testing, finalize artefacts). | 14/06/2023 | 30/06/2023 (extended by 2 days) |

* 1. Project Sprints

Workday = 8 hours

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| **TaskID** | **Task name** | **Duration** | **Start Date** | **End Date** |
| 1 | Internship Genzai with ViaLuxury as a client. | ~ 104  Workdays | 06/02/2023 | 30/06/2023 |
| 2 | Basic research to support design and project plan | 6 Workdays | 06/02/2023 | 14/02/2023 |
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| **Sprint 1: Analysis and initial design** | | | | |
| 3 | Initial use case diagram, use case scenarios and DB design, Project plan design basic research | 2 workdays | 22/02/2023 | 23/02/2023 |
| 4 | Meeting Bart & Alba, creating tasks, improving DB Schema, changing use cases and user stories | 1 workday | 24/02/2023 | 24/02/2023 |
| 5 | Writing Project plan, reviewing similar DB Schema to help improve our own | 1 workday | 27/02/2023 | 27/02/2023 |
| 6 | Finish writing project plan.  Update DB Schema according to feedback | 1 workday | 28/02/2023 | 28/02/2023 |
| 7 | Present DB Schema and improve according to the feedback | 2 workdays | 01/03/2023 | 02/03/2023 |
| 8 | Update DB Schema, request feedback | 2 workdays | 03/03/2023 | 06/03/2023 |
| 9 | Final DB Schema update | 2 workdays | 07/03/2023 | 08/03/2023 |
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| **Sprint 2: Analysis, update analysis and design artefacts, hotel research, initial implementation** | | | | |
| 6 | Request approval for DBSchema.  Initial PostgreSQL DB implementation.  Research “what packages are sold the most by 4- and 5-star hotels” topic. | 1 workday | 08/03/2023 | 08/03/2023 |
| 7 | Generate initial FastAPI structure. Create register and login endpoints | 1 workday | 09/03/2023 | 09/03/2023 |
| 8 | Improve back-end structure, create endpoints, test initial database connection, update analysis and design artefacts | 6 workdays | 10/03/2023 | 17/03/2023 |
| 9 | Write initial unit tests, finalize back-end structure | 3 workdays | 20/03/2023 | 22/03/2023 |

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| **Sprint 3: Update design artefacts, Docker & AWS research** | | | | |
| 12 | Update analysis and design artefacts. Research PostgreSQL container running on Docker | 6 workdays | 22/03/2023 | 29/03/2023 |
| 13 | Research “How to run the back end on Amazon Cloud” and initial implementation | 5 workdays | 30/03/2023 | 05/04/2023 |
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| **Sprint 4: Database implementation changes/updates, and base endpoints. PostgreSQL on Docker implement.** | | | | |
| 17 | Update/change the database. | 2 workdays | 06/04/2023 | 07/04/2023 |
| 18 | Update back-end structure, add/modify endpoints | 4 workdays | 10/04/2023 | 14/04/2023 |
| 19 | Run database on docker container. | 3 workdays | 17/04/2023 | 19/04/2023 |
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| **Sprint 5: Back-end structure update, endpoints implementation, unit testing. Back-end on the cloud (AWS) implement.** | | | | |
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| 21 | Write/Improve unit tests on existing implementation | 5 workdays | 20/04/2023 | 26/04/2023 |
| 22 | Deploy back-end on the cloud (AWS) | 5 workdays | 27/04/2023 | 03/05/2023 |
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| **Sprint 6: Back-end – database communication models and endpoints implementation, unit testing.** | | | | |
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| 26 | Create Data transfer objects | 2 workdays | 04/05/2023 | 05/05/2023 |
| 27 | Test DTO for DB communication operations. | 5 workdays | 08/05/2023 | 12/05/2023 |
| 28 | Update analysis and design artefacts. Implement new endpoints/improve old ones. | 2 workdays | 15/05/2023 | 17/05/2023 |
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| **Sprint 7: Endpoints implementation and unit testing, update analysis and design artefacts.** | | | | |
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| 26 | Update DTOs, update analysis and design artefacts | 6 workdays | 18/05/2023 | 25/05/2023 |
| 27 | Update unit tests for DTO | 4 workdays | 26/05/2023 | 31/05/2023 |
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| **Sprint 8: Fix known bugs, modify unit tests** | | | | | | | | | |
| 26 | | Fix known bugs | | 6 workdays | | 01/06/2023 | | 08/06/2023 | |
| 27 | | Modify unit tests, improve documentation | | 4 workdays | | 09/06/2023 | | 14/06/2023 | |
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| **Sprint 9: Wrap up (Optimization, polish the app, additional testing, finalize artefacts).** | | | | | | | | | |
| 26 | | Optimize DTO – DB communication. | |  | | 15/06/2023 | | 21/06/2023 | |
| 27 | | Add missing comments on code, improve old comments. | |  | | 22/06/2023 | | 26/06/2023 | |
| 28 | | Add tests if missing on any code block.  Finalize analysis and design artefacts to be up to date. | |  | | 27/06/2023 | | 30/06/2023 | |