

International School

Capstone Project 2

CMU-SE 451

**Sprint Backlog**

**Version 2.1**

**Date: 22/03/2021**

**ViVu - The smart travel system supports with chatbot and short video social network**

**Submitted by**

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**Review Panel Representative:**

Name Signature Date

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Name Signature Date

# **Project Information**

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| --- | --- | --- | --- |
| **Project acronym** | ViVu | | |
| **Project Title** | The smart travel system supports chatbot and integrates short video social network | | |
| **Start Date** | 22 Feb 2021 | **End Date** | 30 May 2021 |
| **Lead Institution** | International School, Duy Tan University | | |
| **Project Mentor** | Man, Nguyen Duc, Ph.D | | |
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| **Project Web URL** |  | | |
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# **Sprint Backlog Document**

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| --- | --- | --- | --- |
| **Document Title** | Sprint Backlog Document |  |  |
| **Reporting Period** |  |  |  |
| **Author(s) & Project** | Sang, Nguyen Thanh, Scrum Master | |  |
| **Team Information** | **Name** | **Role** |  |
| Sang, Nguyen Thanh | Member |  |
| Tuan, Doan Kim | Member |  |
| Thuyen, Pham Van | Member |  |
| Loc, Phung Hoang Phu | Member |  |
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| V2.0 | 08/03/2021 | Create Sprint Backlog Sprint 1 |
| V2.1 | 22/03/2021 | Update Sprint Backlog Sprint 2 |
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# **Document Approvals**

The following signatures are required for approval of this document.

|  |  |  |
| --- | --- | --- |
| MSc Man, Nguyen Duc  Mentor |  | Date |
| Sang, Nguyen Thanh  Scrum master, Dev |  | Date |
| Tuan, Doan Kim   Product Owner, Dev |  | Date |
| Thuyen, Pham Van   Dev, Tester |  | Date |
| Loc, Phung Hoang Phu   Dev |  | Date |

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1. **Sprint 1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Task | Responsible person | Status | Estimate (hours) | Start Date | End Date |
|  | Sprint kickoff meeting | All members | done | 4 | 08/03 | 08/03 |
|  | Collect all requirements of Travel system | All members | done | 15 | 08/03 | 10/03 |
|  | Collect all requirements of Short Video Social Network | All members | done | 16 | 09/03 | 12/03 |
|  | Analyze all requirements | All members | done | 14 | 13/03 | 16/03 |
|  | Update Database Design Document | Loc Phung | done | 5 | 15/03 | 15/03 |
|  | Update Architecture Design Document | Sang Nguyen | done | 10 | 17/03 | 18/03 |
|  | Update Product Backlog | Tuan Doan | done | 6 | 16/03 | 17/03 |
|  | Update User Story | Thuyen Pham | done | 8 | 19/03 | 20/03 |
|  | Update Interface Design Document | Tuan Doan | done | 5 | 18/03 | 19/03 |
|  | Create Test Plan for Sprint 1 | Thuyen Pham | done | 4 | 09/03 | 10/03 |
|  | Design Testcase for Sprint 1 | Thuyen Pham | done | 8 | 11/03 | 13/03 |
|  | Add social network screen | Sang Nguyen | done | 12 | 18/03 | 20/03 |
|  | Add post, user\_following, interacting\_post, comment tables in database | Loc Phung | done | 5 | 19/03 | 21/03 |
|  | Change UI for app | Tuan Doan | done | 9 | 20/03 | 21/03 |
|  | Re-develop UI for list tours | Sang Nguyen | done | 7 | 19/03 | 20/03 |
|  | Test for Sprint 1 | Thuyen Pham | done | 10 | 20/03 | 21/03 |
|  | Team Daily meeting | All members | done | 10 | 08/03 | 20/03 |
|  | Sprint Review meeting | All members | done | 8 | 13/03 | 13/03 |
|  | Sprint Retrospective | All members | done | 4 | 21/03 | 21/03 |
|  |  |  |  | 160 | 08/03 | 21/03 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Milestone | 07/  03 | 08/  03 | 09/ 03 | 10/  03 | 11/  09 | 12/  03 | 13/  03 | 14/  03 | 15/  03 | 16/  03 | 17/  03 | 18/  03 | 19/  03 | 20/  03 | 21/  03 |
| Estimated Time (Hours) | 160 | 148.6 | 137.1 | 125.7 | 114.3 | 102.9 | 91.4 | 80 | 68.6 | 57.1 | 45.7 | 34.3 | 22.9 | 11.4 | 0 |
| Actual Time Remaining(Hours) | 160 | 156 | 155 | 152 | 150 | 120 | 97 | 97 | 95 | 73 | 61 | 42 | 20 | 8 | 0 |
| Actual Time(Hours) | 0 | 4 | 1 | 3 | 2 | 30 | 23 | 0 | 2 | 22 | 12 | 19 | 22 | 12 | 8 |
| Sprint kickoff meeting | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Collect all requirements of Travel system | 0 | 0 | 1 | 2 | 1 | 5 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Collect all requirements of Short Video Social Network | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 0 |
| Analyse all requirements | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 |
| Update Database Design Document | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update Architecture Design Document | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 |
| Update Product Backlog | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| Update User Story | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 |
| Update Interface Design Document | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| Create Test Plan for Sprint 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Design Testcase for Sprint 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 1 |
| Add social network screen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 5 | 2 | 0 |
| Add post, user\_following, interacting\_post, comment tables in database | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 |
| Change UI for app | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 2 | 0 |
| Re-develop UI for list tours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 1 |
| Test for Sprint 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 4 | 0 |
| Team Daily meeting | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 2 | 0 |
| Sprint Review meeting | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sprint Retrospective | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |

1. **Sprint 2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Task | Responsible person | Status | Estimate (hours) | Start Date | End Date |
|  | Sprint kickoff meeting | All members | done | 4 | 22/03 | 22/03 |
|  | Update Product Backlog | Tuan Doan | done | 2 | 22/03 | 23/03 |
|  | Update User Story | All members | done | 2 | 22/03 | 24/03 |
|  | Update Sprint Backlog | Sang Nguyen | done | 5 | 23/03 | 24/03 |
|  | Update Architecture Design Document | Sang Nguyen | done | 3 | 25/03 | 26/03 |
|  | Update Interface Design Document | Tuan Doan | done | 4 | 24/03 | 27/03 |
|  | Create Test Plan for Sprint 2 | Thuyen Pham | done | 3 | 25/03 | 25/03 |
|  | Design Test Case for Sprint 2 | Thuyen Pham | done | 8 | 26/03 | 28/03 |
|  | Re-develop UI for tour detail | Tuan Doan | done | 5 | 26/03 | 27/03 |
|  | Handle UI for creating tour schedule on chatbot | Sang Nguyen | done | 12 | 25/03 | 28/03 |
|  | Integrate shortest path algorithm for efficient schedule generation | Sang Nguyen | done | 6 | 27/03 | 29/03 |
|  | Research Video Content Detection | Thuyen Pham | done | 18 | 27/03 | 30/03 |
|  | Develop UI for social network in main screen | Loc Phung | done | 6 | 28/03 | 30/03 |
|  | Create API for get list post | Loc Phung | done | 3 | 29/03 | 31/03 |
|  | Create API for list trending post | Sang Nguyen | done | 5 | 30/03 | 31/03 |
|  | Develop scan ticket feature | Thuyen Pham | not done | 8 | 01/04 | 03/04 |
|  | Integrate map checking places | Tuan Doan | not done | 9 | 01/04 | 03/04 |
|  | Apply voucher in app | Tuan Doan | done | 6 | 02/04 | 03/04 |
|  | Create API for getting list voucher | Loc Phung | done | 6 | 01/04 | 02/04 |
|  | Handle applying voucher for user | Thuyen Pham | done | 3 | 03/04 | 03/04 |
|  | Test for Sprint 2 | Thuyen | done | 20 | 01/04 | 04/04 |
|  | Team Daily meeting | All members | done | 14 | 22/03 | 03/04 |
|  | Sprint Review meeting | All members | done | 4 | 27/03 | 27/03 |
|  | Sprint Retrospective | All members | done | 4 | 04/04 | 04/04 |
|  |  |  |  | 160 | 22/03 | 04/04 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Milestone | 21/  03 | 22/ 03 | 23/  03 | 24/  03 | 25/  03 | 26/  03 | 27/  03 | 28/  03 | 29/  03 | 30/  03 | 31/  03 | 01/  04 | 02/  04 | 03/  04 | 04/  04 |
| Estimated Time (Hours) | 160 | 148.6 | 137.1 | 125.7 | 114.3 | 102.9 | 91.4 | 80 | 68.6 | 57.1 | 45.7 | 34.3 | 22.9 | 11.4 | 0 |
| Actual Time Remaining(Hours) | 160 | 154 | 150 | 143 | 123 | 119 | 98 | 83 | 80 | 76 | 70 | 65 | 43 | 28 | 16 |
| Actual Time(Hours) | 0 | 6 | 4 | 7 | 20 | 4 | 21 | 15 | 3 | 4 | 6 | 5 | 22 | 15 | 12 |
| Sprint kickoff meeting | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update Product Backlog | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update User Story | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update Sprint Backlog | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update Architecture Design Document | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Update Interface Design Document | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Create Test Plan for Sprint 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Design Test Case for Sprint 2 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Re-develop UI for tour detail | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Handle UI for creating tour schedule on chatbot | 0 | 0 | 0 | 0 | 4 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrate shortest path algorithm for efficient schedule generation | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Research Video Content Detection | 0 | 0 | 0 | 0 | 4 | 2 | 3 | 3 | 0 | 0 | 0 | 2 | 4 | 0 | 0 |
| Develop UI for social network in main screen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 0 |
| Create API for get list post | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 |
| Create API for list trending post | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| Develop scan ticket feature | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrate map checking places | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Apply voucher in app | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 0 | 0 |
| Create API for getting list voucher | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 |
| Handle applying voucher for user | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Test for Sprint 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 5 | 6 | 6 |
| Team Daily meeting | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| Sprint Review meeting | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sprint Retrospective | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |