



Project Progress

Team Presentation – Week 11

Name: T02_G03_ER

SWEN90016 – Software Processes and Management

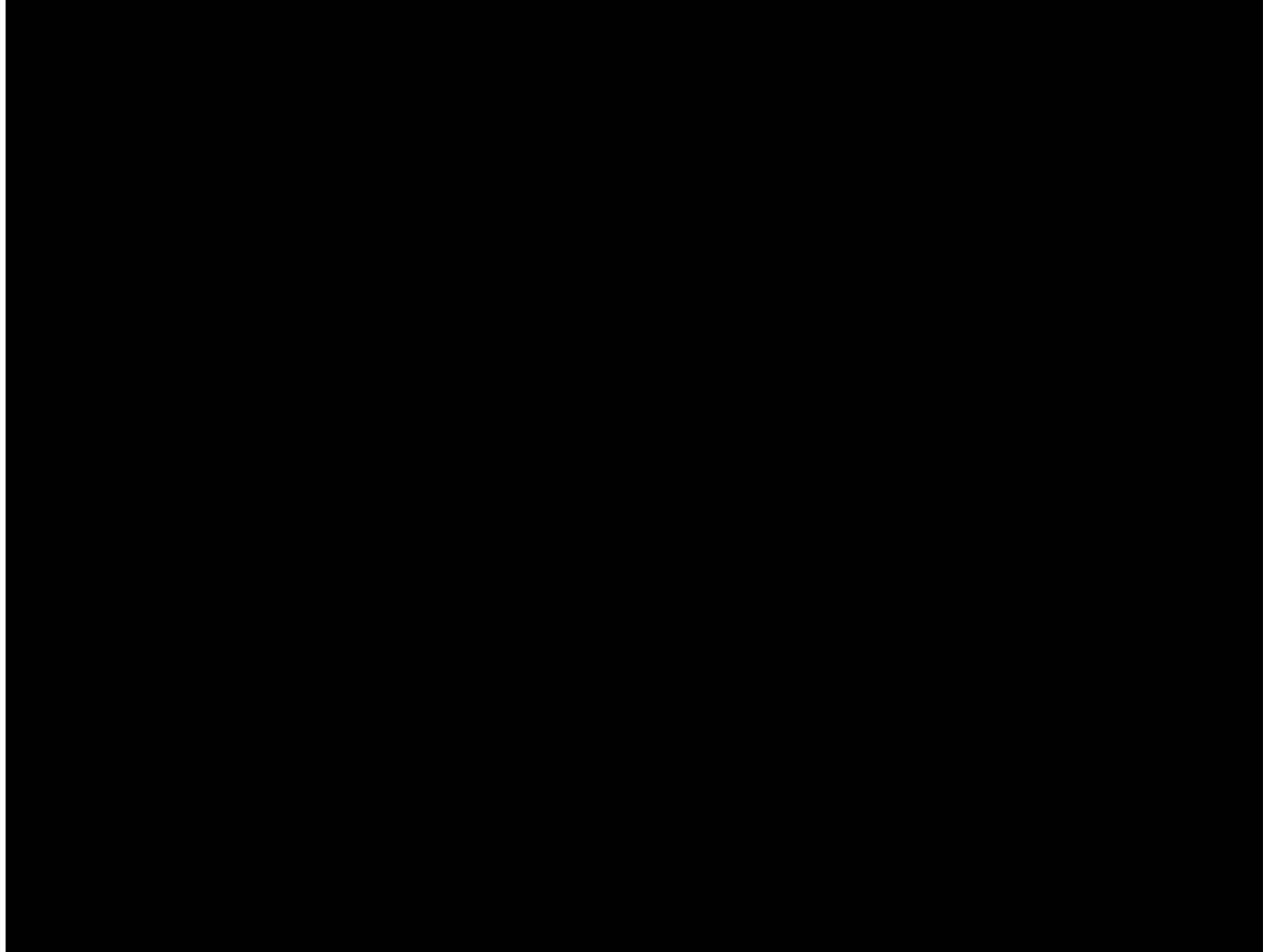
Assignment 2 – Managing projects using SDLC

SDLC Methodology – AGILE





Software Demonstration Video



Executive Summary

Reporting Weeks: Week 6 to Week 11

Snapshot of project progress:

1. Project goal: Develop a new I.T. system for VR1Family Charity Aid Services
2. Objective: Minimize operational overheads in aid items distribution and provide better visibility and control over aid supplies distribution
3. Budget: \$20,000
4. Team: 5 students from the University of Melbourne
5. Timeline: Expected to be completed in about 6 weeks
6. Milestones: Three. (SDLC model choosing and apply, UI design and complete project function, choose software development platform to release the project)
7. Risks: UI design too complex to users, schedule overrun, bad quality due to an inexperienced developer team
8. Optional use case: Implementing social media integration for the client to attract more donations.

Key Accomplishments

Reporting Weeks: 6 – 11

Week	Functional Area	Description of the Accomplishment	Team Member
Week 6	Sprint plan	Analyze the requirement document, prioritize the use cases. Then, divide these use cases into three sprints based on their priority	Yun (Product Owner)
Week 6	Backlog prepare	Prepare a groomed product backlog	Yun (Product Owner)
Week 6	Tasks assignment	Responsible for addressing tasks for each member, and set up deadlines for tasks	Yusong Yang (Scrum Master)
Week 6	Sprint plan	Detailed plan for the three sprints, set up the meeting time and communicate with clients	Yusong Yang (Scrum Master)
Week 6	UI design advice	Negotiated with the product owner about the UI design, understood the product's positioning and target users, and proposed UI design solutions, using UI-friendly templates as a reference.	Chaoyi shi (Subject Matter Expert)
Week 7	Implement Part of User Story	Work with other team members to complete some of the user stories and test the functionality of those stories.	JianLong Yin (Development Team)

Key Accomplishments (CONTD)

Reporting Weeks: 6 – 11

Week	Functional Area	Description of the Accomplishment	Team Member
Week 9	Optimized the interface of project	Optimized some pages' interface with the advice of Subject Matter Expert.	JianLong Yin(Development Team)
Week 9	Software development platform	Give some advice of Software Development, at beginning I suggest the team member to use WordPress as our web development platform. Due to technical difficulties we were forced to use wix.	Chaoyi shi (Subject Matter Expert)
Week 10	Finish and test The Project	Complete all user requirements on the project. Complete testing of the project.	Hao Xu(Development Team)
Week 10	Software Demo	Demonstration video recorded.	Hao Xu(Development Team)



Project Progress – Sprint Planning / Backlog

Reporting Weeks: 6 – 11

Sprint1: Design all the UI and finish use case 1-4

Sprint2: Complete use case 5-7

sprint3: Complete use case 8 and optional use case 11 , write unit test for each function and deploy our project on Wix

Sprint backlog			
Feature user story	Sprint user story	Priority	specific tasks
1. (9 story points) As a volunteer I want to be able to capture the details of aid recipients so that I can maintain a database of their information for future reference and aid disbursement	1.1 As a volunteer, I want a simple user interface to be able to capture the details of aid recipients so that I can maintain a database of their information for future reference and aid disbursement. (3 story points)	highest	1. Design User Interface that captures the general details of aid recipients
	1.2 As a Volunteer. I want to capture the name of the principal agent, age, previous address, and total family members. So that I can ensure that aid is being provided to the right recipient. (3 story points)	highest	1. Upload mandatory information of recipients: name and age and previous address and total family member
	1.3 As a Volunteer. I want the option to capture additional details of the name of the common-law partner, age of the common-law partner, name of kids and age of kids. So that It will help me better understand the family situation of the individuals I am assisting, and allow me to provide more personalized and effective support.(3 story points)	lowest	1. Upload additional details: name&age of common-law partner 2. Upload additional details: name of kids and age of kids
2. (5 story points) As a volunteer, I want to be able to capture the additional details of aid recipients. so that I can ensure that aid is being provided to the right individuals and their families.	2.1 As a/an Volunteer. I want a simple UI to capture the nationality of the aid recipients and their family members. So that I can ensure that aid is being provided to the right individuals and their families. (2 points)	highest	1. Design a User Interface that captures the private details of the aid recipients 2. Upload mandatory information: Nationality, family members

Sprint 1: Overview

1.Have a design of the User Interface of the VR1 Family I.T. system.

2.Finish use case 1: General Information of Aid Recipient

3.Finish use case 2: Private Information of Aid Recipients

4.Finish use case 3: General Information of Aid Donors

5.Finish use case 4: Private Information of Aid Donors.

Sprint 3 backlog			
Feature user story	Sprint user story	Priority	specific tasks
1. As an aid program manager I want to document aid items received from donors so that I can keep track of donations and ensure they are assigned to the correct aid categories	1.1 As aid program manager, I want to create user interface to include the option to select the donor, so that I can accurately record the source of the donation	high	1.Design a user interface with a list of aid items that can be received from donors. 2.Implement a feature to select the donor from a list created in Use Case 3. 3.Create a feature to add individual items that are donated by the selected donor.
	1.2 As aid program manager, I want to create the user interface to include pre-populated categories for the donated items, so that I can easily assign them to the appropriate aid category	high	1.Develop a pre-populated list of items and assign them to categories. 2.Allow the user to search for specific items or categories in the list. 3.Develop a feature to edit or remove items from the list. 4.Create a report function that generates a summary of all aid items received and their corresponding donors.
2.As an administrator I want a page that briefly mentions the history, achievements, and philanthropic activities of the organization so that visitors to the website can learn more about the organization and its mission	2.1 As an administrator. I want to create the static page to support different content types such as text, images, audio, and video files, so that I can present the information in a variety of formats to engage visitors and provide them with an interactive experience.	low	1.Develop a user interface that allows the administrator to create a static page for the organization. Create a file upload system that supports different content types, such as text, images, audio, and video files. 2.Implement a feature that allows the administrator to add and edit different types of content on the static page. 3.Develop a preview function that allows the administrator to preview the content before publishing it on the static page. 4.Create a responsive design that ensures that the content is displayed correctly on different devices. 5.Develop a search function that allows visitors to search for specific content on the static page.

Sprint 3: Overview

1.Finish use case 8: Aid Receipt

2.Finish option use case 11: about us & Social Media Integration

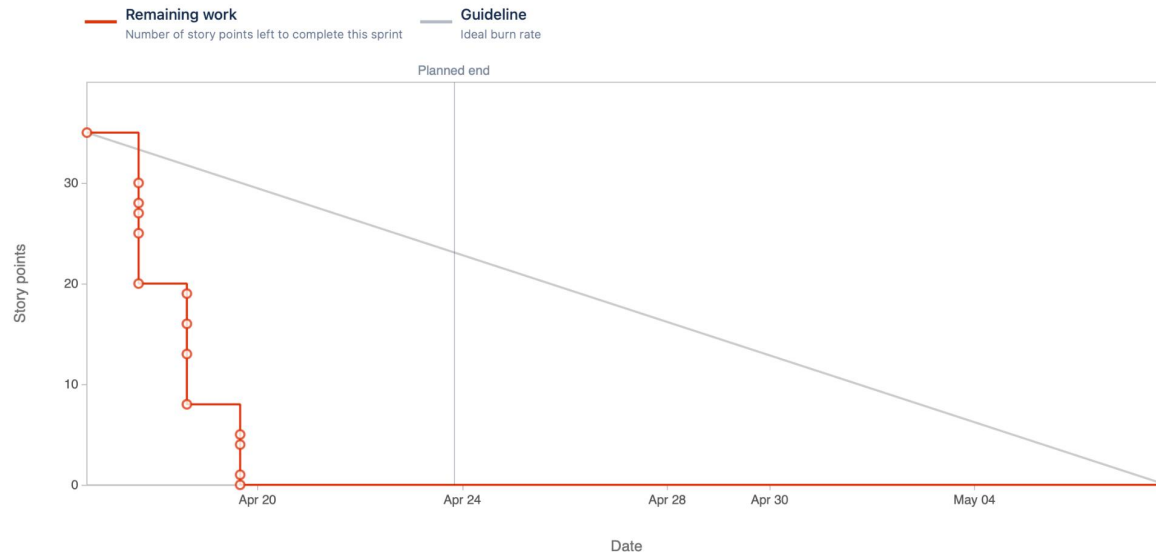
3.Testing: test basic function and one optional function (include unit test and manual test)

4.Deploy our project on Wix

Project Progress – Burn Down Chart

Reporting Weeks: 6 – 11

Date - 17 April 2023 - 24 April 2023

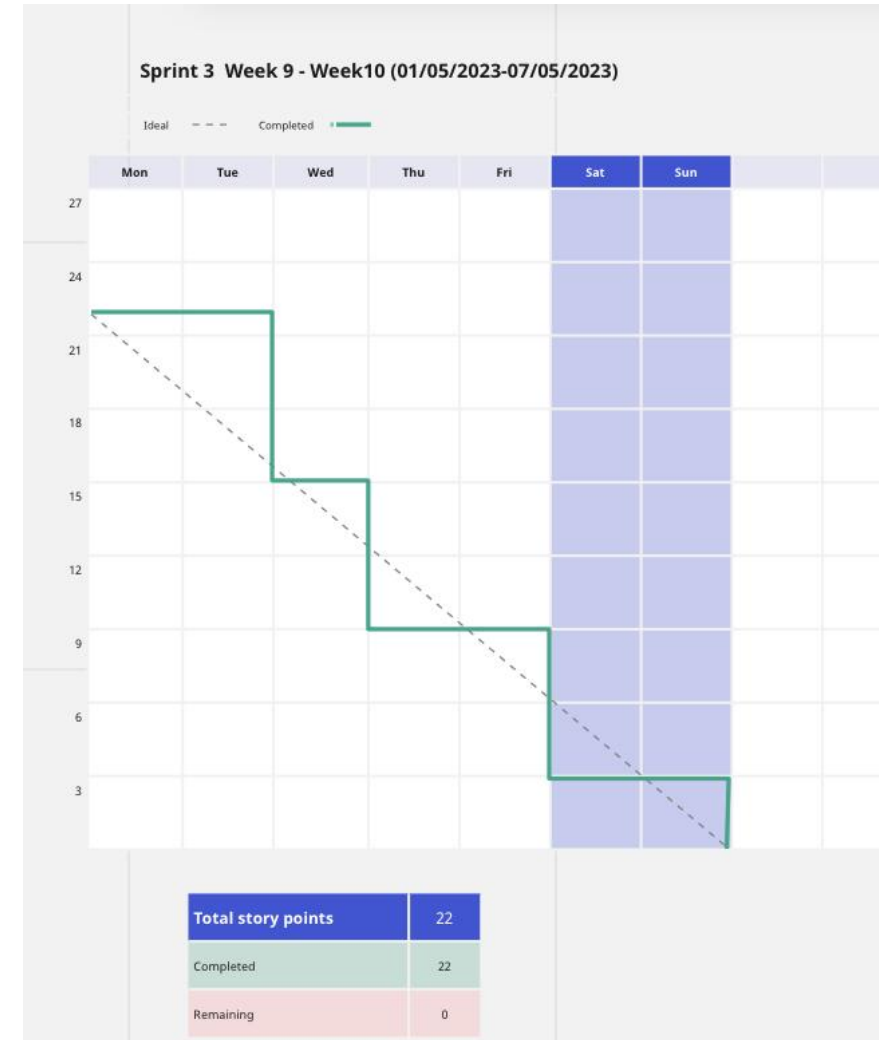


Report: Sprint 1

*Issue added after sprint start

Sprint 1 Velocity: 5 story point per day

Sprint 3 Velocity: 3.71 story point per day



Project Progress – Sprint Retrospective

Did well:

- Each team member completed their part of the PMP (Week 6-7)
- Each team member developed project using WordPress website and achieve the goals in this sprint (Week 7-9)

Improvement for the next phases:

- The layout of some pages needed to be changed in the next Sprint. (Week 7-9)
- Some team members failed to complete their tasks on time and needed to catch up in the next Sprint.(Week 9-10)

Key Decisions

Reporting Weeks: 6 – 11

Week	Decision	Description of the Decision / Outcomes
Week 6	Chose development platform	We initially chose to use WordPress as our development platform because it is one of the world's most widely used website-building platforms, and its free features are sufficient for this project. << Chaoyi Shi come up the idea and communicate with PO>>
Week 6	Work allocation for each team member	After a group discussion, each group member determined what part of this task they needed to complete. << Yusong Yang come up the idea and communicate with PO >>
Week 6	UI Style design	During the Sprint Planning Meeting, the team decided to set the style of our UI design. << Hao Xu come up the idea and communicate with PO >>
Week 7	Process Improvement Decisions	After reflecting on the process, the team decided to introduce Zoom as a meeting method in after Sprints to provide a more flexible meeting style. << JianLong Yin come up the idea and communicate with PO >>
Week 9	Changed development platform	For unknown reason, our project website was blocked by WordPress. The team had to change development platform from WordPress to Wix. << Yun Zhu communicate with client, made the final decision>>

Project Execution – Key Challenges

Reporting Weeks: 6 – 11

Week	Challenge	Description of the Challenge	How was the issue handled?
Week 6	Challenge 1	Acceptance Criteria for registration and login are not clear	Hold a meeting with the group members to discuss the acceptance criteria, and communicate the questions to the Product Owner. Revise the acceptance criteria.
Week 8	Challenge 2	Acceptance Criteria for UI design of User Story 5.1 not clear	Discussion with Product Owner on 01-May-2023 and obtained updated UI design acceptance criteria
Week 8	Challenge 3	Completion of User Story 10	Use third-party APIs to link to our social media
Week 9	Challenge 4	Meeting with team members cannot be held as schedule	Scrum master communicate and reschedule a meeting time online
Week 10	Challenge 5	Integrity our software function and guarantee the quality	Make test plan include unit test and manual test, Select the quality standard

Summarize Takeaways from this group project

Summary of your Team Reflection Submission Takeaway

- Collaboration
- Flexibility
- Continuous improvement
- Plan thoroughly

What worked Well as a group?

- Effective communication and Well-defined plan
- Agile method help us to achieve these outcomes

What are the areas of improvement for your group?

- Using version control system to commit the code
- Utilizing automated testing tools to test feature

On a hindsight, was your team happy with the choice of SDLC?

Yes

- Prioritize tasks
- Choose technology freely
- High level of user engagement