

Sprint 1 backlog	User Stories + acceptance criteria	Main task (issue type)	Subtask	Team member	Status	Estimated Hours		REAL HOURS (per TASK daily)														REAL HOURS total per task	REAL HOURS TOTAL (all tasks)		
						per TASK	TOTAL (all tasks)	04/02	05/02	06/02	07/02	08/02	09/02	10/02	11/02	12/02	13/02	14/02	15/02	16/02	17/02				
Expectations: 1. installation of software necessities 2. definition of user stories/acceptance criteria 3. mockups - Website 4. preliminary implementation of data scraping	1) As a developer, I want to set up a standardized development environment and version control system so that the team can work collaboratively with consistent tools and practices. Acceptance Criteria: - Set up a shared development environment with documented requirements - Create a GitHub repository with proper branch protection rules - Configure access permissions based on team roles - Verify that all team members can successfully collaborate on code - Establish and document a Git workflow for the team - Create an initial project structure with complete documentation 2) As a developer, I want to set up cloud infrastructure on AWS that meets our project requirements so that we have a scalable, reliable platform for our application. Acceptance Criteria: - Create AWS account with appropriate IAM users and permissions - Set up EC2 instance with necessary security groups - Configure RDS database instance with appropriate settings - Test connection between EC2 and RDS - Document all AWS resource and configurations - Create recovery procedures for potential issues 3) As a data engineer, I want to implement comprehensive data collection from the JCDecaux API so that we can provide real-time and historical bike station data to users. Acceptance Criteria: - Successfully connect to JCDecaux API with proper authentication - Retrieve all bike station data including locations, capacities, and real-time availability - Implement error handling for API outages or rate limiting - Structure the data in a format suitable for database storage - Create a mechanism for scheduled data collection 4) As a database architect, I want to design and implement an efficient database schema so that bike and weather data can be reliably stored and quickly retrieved. Acceptance Criteria: - Create an entity-relationship diagram for the database structure - Implement tables with appropriate relationships and indexes - Optimize schema for efficient querying of data - Test database performance with expected data volumes - Document database access patterns 5) As a data engineer, I want to integrate weather data collection with our application so that users can see 6) As a Scrum Master, I want to establish effective Agile practices and collaboration tools so that our team can work efficiently and track progress effectively. Acceptance Criteria: - Create a product backlog with prioritized user stories - Establish sprint planning, review, and retrospective procedures - Configure project management tools for backlog tracking - Create templates for documentation - Establish communication channels and meeting schedules 7) As a development team, we want to officially launch the project with a clear understanding of expectations and responsibilities so that we can deliver value efficiently. Acceptance Criteria: - Hold initial meeting with Product Owner (Dara). - Document project requirements and priorities - Create initial sprint planning - Divide tasks among team members based on skills (Kexun - template, Tan - data scraping, Herman - PM/planning). - Establish regular communication schedule 8) As a SCRUM team, we want to create clear documentation and tracking systems so we can monitor progress and ensure quality deliverables. Acceptance Criteria: - Create product backlog with comprehensive user stories - Develop sprint backlogs with specific tasks - Implement burndown charts for progress tracking - Define acceptance criteria for all tasks - Document all SCRUM activities and decisions 9) As a UX designer, I want to create mockups and design assets for the Dublin Bikes application so that we have a consistent, user-friendly interface. Acceptance Criteria: - Create visual mockups for all main application pages (Home, Map, How to Use, Pricing, Contact) - Design a consistent color scheme, typography, and component library	1. Installation of software necessities	GitHub Repository Setup	ALL	DONE	3	33	0	04/02	05/02	06/02	07/02	08/02	09/02	10/02	11/02	12/02	13/02	14/02	15/02	16/02	17/02	4	33	
			AWS set up																						
			Virtual Environment set up and downloading all packages																						
			Full Bike data scraping (not just preliminary) storing in local Database	Tan	DONE	1		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
			- design database - create database - store scraped data to database	Tan	DONE	1		0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2		
			planned how to connect the data with google api	Tan	DONE	1		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1		
			link database by using workbench	Tan	DONE	1		0	0	0	0	0	1	0	0	0	0	0	0	1	0	2			
			link database by using ssh to connect EC2 with MySQL	Tan	DONE	1		0	0	0	0	1	0	0	0	0	0	0	0	0	1	2			
			storing in AWS	Tan	DONE	1		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1		
			Scrap weather data	Tan	DONE	1		0	0	0	0	0	0	1	0	0	0	0	1	0	0	2			
			- Get Google API - Scrap weather data																						
			Design weather database	Tan	DONE	1		0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2		
			Took project into work	ALL	DONE	1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	1			
			First online meeting with PO - Dara																						
			Initial Planning	ALL				0	0	0	0	0	0	0	0	0	0	0	1	1	0	2			
			Submitted the draft of current sprint backlog to Product Owner																						
			Divided tasks for this week (Kexun - template, Tan - data scraping, Herman - PM, planning)	ALL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
				ALL				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
			End of WEEK 1 Team call	ALL	DONE	1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	1			
			Creating Product Backlog (with user stories)	Herman + ALL	DONE	1		0	0	0	0	0	0	0	0	0	1	0	0	0	0	1			
			Creating Sprint Backlog (with user stories)	Herman + ALL	DONE	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
			Creating template and connecting Burndown Charts (for every Sprint)	Herman + ALL	DONE	1		0	0	0	0	0	0	0	0	0	1	0	0	0	0	1			
			Filling Burndown Chart for Sprint 1	Herman + ALL	DONE	1		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1		
			all SCRUM master related activities	Herman	DONE	1		0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			
			Acceptance criteria:	Herman + ALL	DONE	1		1	0	0	0	0	0	0	0	0	0	1	0	0	0	2			
			- Discussed the importance of acceptance criteria - Create Acceptance criteria																						
			End of WEEK 2 Team call	ALL	DONE	1		0	0	0	0	0	0	0	1	0	0	0	0	0	0	1			
			Get materials for UI design	Tan	DONE	1		0	0	0	0	0	0	0	0	0	0	0	0	1	0	1			
			Creating the template of the website (mockup)	Kexun	DONE	1		0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2		
			take pictures of bicycles for the future use on website frontend	Tan	DONE	1		0	0	0	0	0	0	0	0	0	1	0	0	0	0	1			