SENG3011 20T1

Management Information

Medics

Abanob Tawfik	z5075490
Kevin Luxa	z5074984
Lucas Pok	z5122535
Rason Chia	z5084566

Project Plan

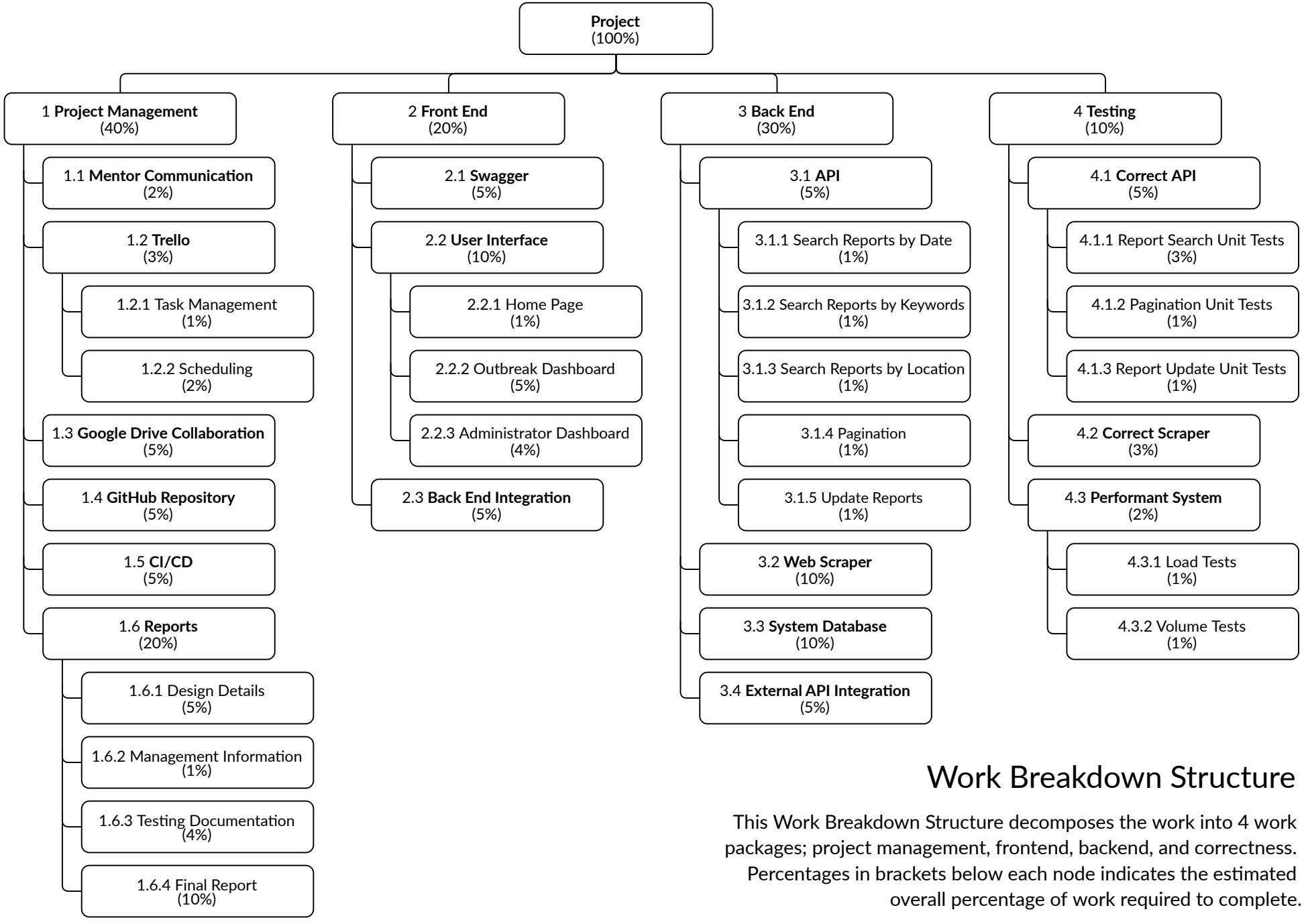
Team member responsibilities

Team Member	Responsibilities
Abanob Tawfik	● Back-end setup ● Main web scraper for outbreak articles ● Azure hosting and CI/CD setup ● Front-end map component ● Front-end search functionality ● Front-end filter functionality ● Front-end services, including conversion from location to latitude and longitude ● API for storing the results of location APIs ● Report writing
Kevin Luxa	● MongoDB setup ● Back-end API implementation ● API testing script ● Swagger documentation detailed descriptions ● Back-end and front-end date parsing and conversion utilities ● Article retrieval from different APIs and conversion to standard form ● Front-end UI work for the map page, including the appearance of the map, map markers, info windows, article modals and list view ● Report writing ● Proofreading
Lucas Pok	● Main web scraper for outbreak articles ● Web scraper for coronavirus RSS feed ● Implementing the location mapper service in the back-end which extracted locations from an article ● Swagger documentation customisation ● Front-end UI work for the map page, including the search component and retrieving user input ● Implementing the SEIR model page in the front-end, including the additional API endpoint for fetching case counts ● Report writing
Rason Chia	● Group Meeting Organiser ● Swagger Documentation Swashbuckle Implementation ● Front-end Search Setup ● API Test Script Setup ● Deliverable 3 presentation slides ● Report Setup ● User Stories ● Report Writing

Team coordination

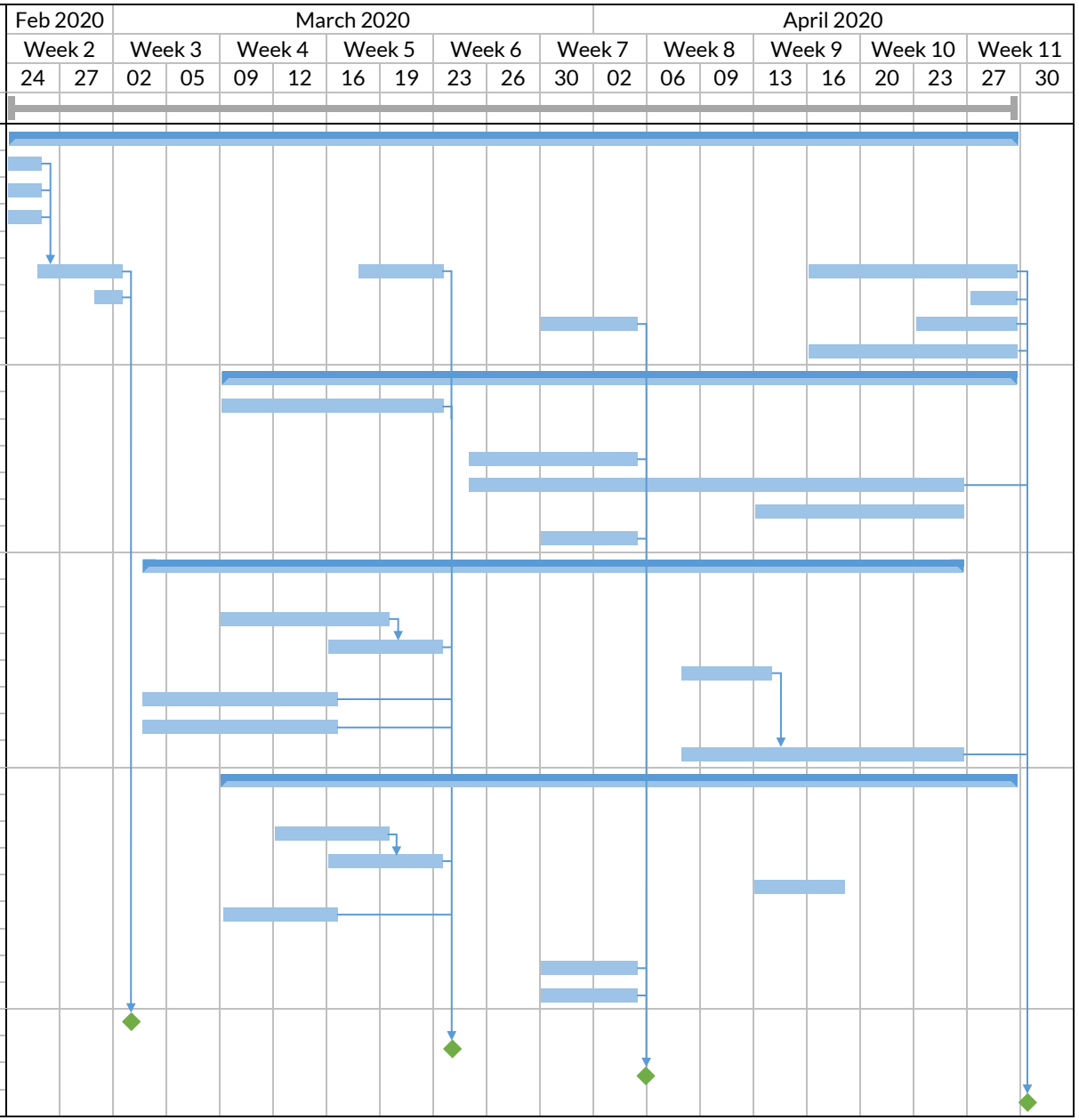
Below are the resources and tools we will be using to coordinate our work:

GitHub https://github.com/AbanobTawfik/SENG3011_Medic	For development, code sharing and collaboration
Messenger https://www.messenger.com/t/3002862533126276	For communication, discussions and organising meetings
Trello https://trello.com/b/44d7NKTB/seng3011	For task tracking - used up to Week 6
Google Drive https://drive.google.com/drive/folders/18-OkIiEd7jVN_wt8BQpDzy-1IHHfUnZO?usp=sharing	For drafting and preparing reports, and note-taking
Additional group meetings	Every Saturday at 12:00pm 1 hour meeting to discuss individual progress and current state of project as a group



Work Breakdown Structure

This Work Breakdown Structure decomposes the work into 4 work packages; project management, frontend, backend, and correctness. Percentages in brackets below each node indicates the estimated overall percentage of work required to complete.

Project Schedule

Task name	Begin date	Duration (days)
1 **Project Management**	24/02/2020	66
1.2 Trello Setup	24/02/2020	3
1.3 Google Drive Setup	24/02/2020	3
1.4 GitHub Repository Setup	24/02/2020	3
1.6 Reports	26/02/2020	-
1.6.1 Design Details	26/02/2020	21
1.6.2 Management Information	01/02/2020	3
1.6.3 Testing Documentation	30/03/2020	7
1.6.4 Final Report	07/04/2020	24
2 **Front End**	09/03/2020	52
2.1 Swagger	09/03/2020	14
2.2 User Interface	25/03/2020	-
2.2.1 Home Page	25/03/2020	12
2.2.2 Search Page	25/03/2020	30
2.2.3 Model Page	13/04/2020	7
2.3 Back End Integration	30/03/2020	7
3 **Back End**	04/03/2020	54
3.1 API	09/03/2020	-
3.1.1 Search Reports	09/03/2020	14
3.1.4 Pagination	16/03/2020	7
3.1.5 Update Reports	07/04/2020	7
3.2 Web Scraper	04/03/2020	14
3.3 System Database	04/03/2020	14
3.4 External API Integration	07/04/2020	20
4 **Testing**	09/03/2020	52
4.1 Correct API	12/03/2020	-
4.1.1 Report Search Unit Tests	12/03/2020	7
4.1.2 Pagination Unit Tests	16/03/2020	7
4.1.3 Report Update Unit Tests	13/04/2020	7
4.2 Correct Scraper	09/03/2020	7
4.3 Performant System	30/03/2020	-
4.3.1 Load Tests	30/03/2020	7
4.3.2 Volume Tests	30/03/2020	7
D1 Completed	03/03/2020	-
D2 Compelted	24/03/2020	-
D3 Completed	06/04/2020	-
D4 Completed	29/04/2020	-