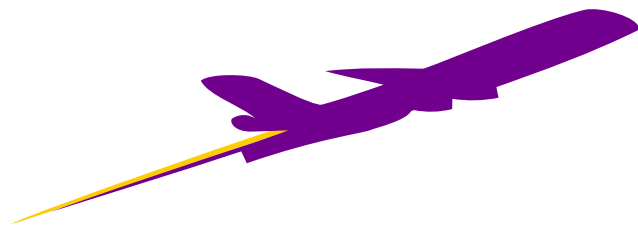# PROJECT MANAGEMENT REPORT

Airport Management

GROUP NAME

C Sharp Developers

PRESENTED BY

Emine Melissa Candemir – Scrum Master

Project Management

Daily Standup Meetings

▼ Sprint 1

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 28/01/2025 - 11am

▼ Attendance:

- ☑ ~~Melissa~~
- ☑ ~~Courtney~~
- ☑ ~~Dana~~
- ☑ ~~Zeel~~
- ☑ ~~Amin~~

▼ Melissa

1. What have I accomplished yesterday?
   - Determined most members of my team and read up on the project and introduced myself to C#.
   - Determined my role as the scum master.
2. What will I accomplish today?
   - Work on organising the team, structure the sprint meeting meeting times and dates around teammates work schedules.
   - Revise C sharp.
3. What are any obstacles impeding my progress (if any)?
   - My lack of knowledge in C#.

▼ Courtney

1. What have I accomplished yesterday?
   - Worked on learning C#.
2. What will I accomplish today?
   - Find my team.
   - Determine my role.
3. What are any obstacles impeding my progress (if any)?

▼ Dana

1. What have I accomplished yesterday?
   - Found my team.
2. What will I accomplish today?
   - Determine my role.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel

1. What have I accomplished yesterday?

- Found my team.

    2. What will I accomplish today?

        - Study C sharp.

        - Determine my role in the team after we find the fifth member, the fifth member turned out to be Amin.

    3. What are any obstacles impeding my progress (if any)?

▼ Amin

    1. What have I accomplished yesterday?

    2. What will I accomplish today?

        - Determine my role in the team.

    3. What are any obstacles impeding my progress (if any)?

▼ Sprint 2

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 29/01/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Amin - developer~~
- ☑ ~~Zeel - tester~~

▼ Melissa - Scrum Master

    1. What have I accomplished yesterday?

        - I have modified a list of the features of an airport flight management system made together with the teams efforts under descriptive headings, changed the plan from fifteen steps to nine steps with my judgement, and also did research on what an airport flight management system could be.

        - I have found a fifth team member.

        - I organised the team on the software we are going to use to communicate.

    2. What will I accomplish today?

        - Revise C sharp and continue improving the list and determine more pseudocode to assign for the teammates.

    3. What are any obstacles impeding my progress (if any)?

        - My lack of knowledge on airports makes rewriting and further improving the list of what we have to do take longer than expected.

▼ Courtney - Secretary

    1. What have I accomplished yesterday?

        - I have researched the airport flight management system and reordered the modified list provided by the team leader in an organised manner.

    2. What will I accomplish today?

        - Further research and modification of another section of the requirements for the code.

    3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - I helped the team in their research and studied C sharp
2. What will I accomplish today?
   - Study C sharp and wait for orders.
3. What are any obstacles impeding my progress (if any)?

▼ Amin - Developer

1. What have I accomplished yesterday?
   - Researched for the coursework.
2. What will I accomplish today?
   - Study C#.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Tester

1. What have I accomplished yesterday?
   - Assisted with the research of the project.
   - Found a website with analytical data about airport management towers.
   - Determined my role as a tester.
   - Revised C#.
2. What will I accomplish today?
   - Revised C#, study making pseudocodes.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 3

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 30/01/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Amin - developer~~
- ☑ ~~Zeel - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Made progress on the final list and assigned pseudocode to the team based on this list and took sprint meeting report inputs.
   - Determined the final scheduling for the team, the resultant days for sprint meetings has become Tuesday, Wednesday and Thursday as some teammates have work on the other days.
2. What will I accomplish today?
   - Make more progress on the final list, revise databases as it seems it is a core part of our project, and record the sprint meeting inputs from the members.
   - Assign the pseudocode I determined.
3. What are any obstacles impeding my progress (if any)?

- Mine and the teams need to revise before starting the project, unfamiliarity with C# and writing pseudocodes.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Revised C sharp by making example code.
2. What will I accomplish today?
   - Revise C sharp, work on my assigned pseudocode.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Revised C sharp.
2. What will I accomplish today?
   - Revise C sharp and work on my pseudocode.
3. What are any obstacles impeding my progress (if any)?

▼ Amin - Developer

1. What have I accomplished yesterday?
   - Revised C sharp.
   - Attempting to code a login system for the admin.
2. What will I accomplish today?
   - Send in a screenshot of my pseudocode to the scrum master.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Tester

1. What have I accomplished yesterday?
   - Handed in a pseudocode draft to the scrum master.
2. What will I accomplish today?
   - Making the pseudocodes necessary for the code.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 4

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 04/02/2025 - 11am

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☐ Amin - developer
- ☑ ~~Zeel - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

- Called three of my teammates to hold a group meeting where I taught them pseudocode and talked about a new organisation system so we can get more work done where we hold calls on Mondays and Wednesday to interact and get work done.
- Finalised the list and made it into a format where I have assigned each team member a relevantly grouped section of the project with checklists, I assigned my secretary all the HTML tasks as she requested and because of her proven expertise.
- Modified team members given pseudocodes.
- Assigned coding tasks from the finalised list.

2. What will I accomplish today?

- Progress on my C sharp knowledge, refine the teammates pseudocode and add it to a draft version of the report.

3. What are any obstacles impeding my progress (if any)?

- Communication with team members is not always efficient.

▼ Courtney - Secretary

1. What have I accomplished yesterday?

- I've done some SQL, made the pseudocode and sent it to the team leader.
- Practiced C sharp.
- Started the wireframes.

2. What will I accomplish today?

- Finishing the wireframes.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?

- Relearnt how to structure and make pseudocode, and with the assistance of the team leader, made a pseudocode.

2. What will I accomplish today?

- More pseudocode.

3. What are any obstacles impeding my progress (if any)?

- Poor health.

▼ Amin - Developer

1. What are any obstacles impeding my progress (if any)?

- Jury Duty today.

▼ Zeel - Tester

1. What have I accomplished yesterday?

- A pseudocode.

2. What will I accomplish today?

- Revise C sharp.
- Another pseudocode.
- Get to week 4 lectures.

3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 5**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 05/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☐ Dana - developer
- ☑ ~~Amin - developer~~
- ☐ Zeel - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Assigned coding tasks, worked on the project report, organised the group output, revised C sharp.
2. What will I accomplish today?
   - I would like to work with my team members on their code, perhaps offering debugging advice when needed.
3. What are any obstacles impeding my progress (if any)?
   - My secretary has lessons in the afternoons it seems and the tester has been absent. I try to communicate with the tester through a messaging app I had determined for the team, including for the sprint meetings, however communication's are not proving to be very efficient.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Revised C sharp, worked on the wireframes.
2. What will I accomplish today?
   - Revise C sharp, start on the HTML tasks assigned to me.
3. What are any obstacles impeding my progress (if any)?

▼ Amin - Developer

1. What have I accomplished yesterday?
   - Working on a C sharp project.
2. What will I accomplish today?
   - Working on a C sharp project.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 6**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 06/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~

☐ Amin - developer

☑ ~~Zeel - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Produced a draft for the database structure needed for the code I have proposed in my final list.
   - Made a shared Notion document for the whole team to access and transferred my plans and database schema design to it.
2. What will I accomplish today?
   - Monitor my teammates progress and assist in their coding as much as I can.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Finished the wireframes.
2. What will I accomplish today?
   - Began working on the HTML for the index page.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Began coding in C# for the choosing destinations function.
2. What will I accomplish today?
   - The choosing destinations function.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Tester

1. What have I accomplished yesterday?
   - Installed the Microsoft SQL Server Management Studio.
2. What will I accomplish today?
   - Read up on the slides for testing.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 7

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 11/02/2025 - 11am

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

☑ ~~~~

1. What have I accomplished yesterday?
      - Made a GitHub repository and established a connection from the GitHub repository to Visual Studio.
      - Assigned a programming task to my teammates each.
   2. What will I accomplish today?
      - Take note of the sprint meetings.
      - Connect everyone to the GitHub repository
   3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

   1. What have I accomplished yesterday?
      - Began coding the HTML index page.
   2. What will I accomplish today?
      - Progress on making the HTML index page.
   3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

   1. What have I accomplished yesterday?
      - Began working on coding the backend functionality using C#.
   2. What will I accomplish today?
      - Progress on the C#.
   3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

   1. What have I accomplished yesterday?
      - Took over as developer and attempted to begin coding the controllers, entities and models for the passengers table.
   2. What will I accomplish today?
      - Complete the passengers table or progress on finishing it.
   3. What are any obstacles impeding my progress (if any)?

▼ Sprint 8

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 12/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

   1. What have I accomplished yesterday?
      - Successfully added 4 of my team members to my GitHub repository.
      - Made a list for the airport management systems supposed database structure.

2. What will I accomplish today?

- Educate myself on how to use GitHub with Visual Studio for the project.

3. What are any obstacles impeding my progress (if any)?

- My lack of familiarity with using GitHub to make projects.

▼ Courtney - Secretary

1. What have I accomplished yesterday?

- Progressed on making the HTML index page.

2. What will I accomplish today?

- Progress on making the HTML index page.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?

- Progressed on the C# backend functionality.

2. What will I accomplish today?

- Progress on the C# backend functionality.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?

- Made progress on the Passengers table.

2. What will I accomplish today?

- Progress on the passengers table.

3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 9**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 13/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

- Learnt the basics of how to push, pull, and sync to the GitHub repository and how to commit and stash.

2. What will I accomplish today?

- Teach my teammates in person or online how to make changes to the GitHub repository.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?

- Progress on making the HTML index page.
  2. What will I accomplish today?
     - Finish the HTML index page.
  3. What are any obstacles impeding my progress (if any)?
▼ Dana - Developer
  1. What have I accomplished yesterday?
     - Progressed on the C# backend functionality.
  2. What will I accomplish today?
     - Progress on the C# backend functionality.
  3. What are any obstacles impeding my progress (if any)?
▼ Zeel - Developer
  1. What have I accomplished yesterday?
     - Progressed on the passengers table.
  2. What will I accomplish today?
     - Finish the passengers table.
  3. What are any obstacles impeding my progress (if any)?

▼ Sprint 10

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 18/02/2025 - 11am

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master
  1. What have I accomplished yesterday?
     - Taught teammates how to use GitHub with Visual Studio.
     - Managed to get the tester connected to the shared list the team is viewing and I am using for tracking progress and what needs to get done.
  2. What will I accomplish today?
     - Try to talk with a teammate specifically one who does not show up to the university about obstacles impeding their progress and what can be done about it.
     - Take sprint meeting records.
     - Tick off what the team members have done so far based on what they show me, provide feedback for changes if any is needed.
     - Revise C# for when I need to assist in any code modification, addition or debugging process.
  3. What are any obstacles impeding my progress (if any)?
▼ Courtney - Secretary
  1. What have I accomplished yesterday?

- Finished the HTML index page, including the CSS.
- Began coding the HTML for the Results page.

2. What will I accomplish today?
- Progress on making the Results page.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
- Made the logic for booking flights using dummy data

2. What will I accomplish today?
- Work on modifying the backend code to match and actually interact with the front end.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
- Finished the passengers table, it works.
- Started coding the DestinationsPrices table's controllers, entities and models in C#.

2. What will I accomplish today?
- Work on the DestinationsPrices table.

3. What are any obstacles impeding my progress (if any)?

▼ Sprint 11

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 19/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
- Checked my secretary's work against the list I had made, and provided feedback for some changes.

2. What will I accomplish today?
- Depends on my teammates, the list is ready, I just answer their questions on their interpretations and any obstacles they face such as the arising need for dummy data due to a lack of access to data within the database.

3. What are any obstacles impeding my progress (if any)?
- Lack of efficient communication with one of my teammates.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
- Progressed on making the Results page.

2. What will I accomplish today?
   - Progress on making the Results page.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Continued working on the backend functionality.
2. What will I accomplish today?
   - Progress on the backend functionality.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on the DestinationsPrices table.
   - Organised the files into appropriate folders.
2. What will I accomplish today?
   - Progress on the DestinationsPrices table.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 12

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 20/02/2025 - 1pm

▼ **Attendance**:

- ☑ Melissa - scrum master
- ☑ Courtney - secretary
- ☑ Dana - developer
- ☑ Zeel - developer
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Found a very suitable software for the team to use to meet online after specifically researching for such a software, which we will use from now on.
   - Brought the team together online, just the developers, had them share their screens and went through their progress, some debugging.
2. What will I accomplish today?
   - Monitor my team and their code, request some team members to add their code to the main repository (they have been working on their own).
   - Take sprint meeting notes.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Progressed on making the Results page.
2. What will I accomplish today?

- Finish the Results page.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
- Progressed on the backend functionality.

2. What will I accomplish today?
- Progress on the backend functionality.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
- Progressed on the DestinationsPrices table.

2. What will I accomplish today?
- Finalise the DestinationsPrices table.

3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 13**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 25/02/2025 - 11am

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
- Revised C#, monitored the team, went through the list to check if there was anything to tick.

2. What will I accomplish today?
- Monitor and give feedback on the team and the final codes progress.
- Take sprint meeting notes.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
- Finished making the Results page along with it's CSS.

2. What will I accomplish today?
- Begin coding the HTML and CSS for the Admin page.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
- Progressed on the backend functionality.

   2. What will I accomplish today?

- Progress on the backend functionality.

   3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

   1. What have I accomplished yesterday?

- Finished the DestinationsPrices table.

   2. What will I accomplish today?

- Begin working on the Planes table.

   3. What are any obstacles impeding my progress (if any)?

▼ Sprint 14

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 26/02/2025 - 1pm

▼ **Attendance:**

- ☑ ~~Melissa – scrum master~~
- ☑ ~~Courtney – secretary~~
- ☑ ~~Dana – developer~~
- ☑ ~~Zeel – developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

   1. What have I accomplished yesterday?

- Monitored the team, took sprint meeting notes, went through the list to check if there was anything to tick.
- Got the tester to become a member of the GitHub repository.

   2. What will I accomplish today?

- Monitor and give feedback on the team and the final codes progress.

   3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

   1. What have I accomplished yesterday?

- Progressed on making the Admin page.

   2. What will I accomplish today?

- Progress on making the Admin page.

   3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

   1. What have I accomplished yesterday?

- Began removing dummy data and implementing the database from the tables provided into the functionality.

   2. What will I accomplish today?

- Progressed on yesterday's work.

   3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

   1. What have I accomplished yesterday?

- Progressed on the planes table.
  2. What will I accomplish today?
     - Progress on the planes table.
  3. What are any obstacles impeding my progress (if any)?

▼ Sprint 15

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 27/02/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master
  1. What have I accomplished yesterday?
     - Monitored the team, took sprint meeting notes, went through the list to check if there was anything to tick.
  2. What will I accomplish today?
     - Monitor and give feedback on the team and the final codes progress.
     - Take sprint meting notes.
  3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary
  1. What have I accomplished yesterday?
     - Progressed on making the Admin page.
  2. What will I accomplish today?
     - Finish the Admin page.
  3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer
  1. What have I accomplished yesterday?
     - Progress on replacing dummy data with queries
  2. What will I accomplish today?
     - Finish replacing dummy data with queries.
  3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer
  1. What have I accomplished yesterday?
     - Progressed on the planes table.
  2. What will I accomplish today?
     - Finalise the planes table.
  3. What are any obstacles impeding my progress (if any)?

▼ Sprint 16

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 04/03/2025 - 11am

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Met up with developers online, waiting for when I am needed with them, answering questions about what they are supposed to make and the parameters needed.
   - Talked to the tester about the coding work he could do.
   - Received an admin login project zip file from the tester and presented it to the rest of the team.
2. What will I accomplish today?
   - Discuss any necessary changes to the database.
   - Talk about moving some features into additional features for the very end of the code for in case we do not have enough time to implement said features.
3. What are any obstacles impeding my progress (if any)?
   - Poor health.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Finished making the Admin page's HTML and CSS.
2. What will I accomplish today?
   - Finish off the entire website, tie everything together.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Replaced dummy data with queries.
2. What will I accomplish today?
   - Query the available flights by destination and date.
   - Pull passengers and flights record and save booking and updated seat number to the database.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Finished the planes table.
2. What will I accomplish today?
   - Begin encoding the classes needed to implement the Baggage table.
3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester

1. What have I accomplished yesterday?

   • Sent the scrum master a zip file of my project with the admin login.

2. What will I accomplish today?

3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 17**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 05/03/2025 - 1pm

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

   • Made a slight logical change to the structure of the database after discussion.

   • Watched team mates demonstration of what works so far and discussed what was left to do.

2. What will I accomplish today?

   • Begin adding to the GitHub repository, ask teammates to move their work to the GitHub repository for the final project.

   • Take sprint meeting notes.

   • Talk to team members about the project.

3. What are any obstacles impeding my progress (if any)?

   • Poor health.

▼ Courtney - Secretary

1. What have I accomplished yesterday?

   • Debugging the websites HTML and CSS.

2. What will I accomplish today?

   • Finish debugging the websites HTML and CSS.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?

   • successfully made a function to enquire the available flights using dummy data for testing.

   • Pulled passengers and flights record and save booking and updated seat number to the database.

2. What will I accomplish today?

   • Continue working on the backend functionality.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on the Baggage table C# code.
2. What will I accomplish today?
   - Progress on coding the Baggage table.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 18

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 06/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master
1. What have I accomplished yesterday?
   - Discussed the project with my team members.
2. What will I accomplish today?
   - Make a temporary list of only what is left.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary
1. What have I accomplished yesterday?
   - Finalised debugging the HTML of the website.
2. What will I accomplish today?
   - Adding new features upon changes to the final design to match the Scrum Masters updated plan.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer
1. What have I accomplished yesterday?
   - Redoing and debugging code to match the HTML.
2. What will I accomplish today?
   - Progress on redoing the code.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer
1. What have I accomplished yesterday?
   - Progressed on the Baggage table.
2. What will I accomplish today?
   - Finish coding the baggage table.
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 19

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 11/03/2025 - 11am

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Made a list of what is left.
   - Worked on the final report's pseudocodes.
2. What will I accomplish today?
   - Finish retyping the pseudocodes for the final report.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Began adding the new features to the website.
2. What will I accomplish today?
   - Working on adding the new features to the website.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Redoing the code to match the new HTML.
2. What will I accomplish today?
   - Redo, modify, and debug the code to match the new HTML.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Finished the baggage table.
2. What will I accomplish today?
   - Start on coding the C# for the Flights table.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 20**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 12/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☑ ~~Amin - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

   - Finished retyping the pseudocodes for the final report.
   - Added the pseudocodes to the final report.
   - Received a program from the tester as per what I wrote in the notion.

2. What will I accomplish today?

   - Look at the data structures used in the pseudocodes and argue as to why those data structures were chosen.
   - Present the program the tester sent me to the team and especially to the developers to leave to them to incorporate due to their more close involvement with the code.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?

   - Worked on adding the new features to the website.

2. What will I accomplish today?

   - Working on adding the new features to the website.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?

   - Modifying backend to reflect front end.

2. What will I accomplish today?

   - Modifying backend to reflect front end.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?

   - Progressed on the Flights table.

2. What will I accomplish today?

   - Progress on coding the flights table.

3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester

1. What have I accomplished yesterday?

   - Submitted a program for calculating flights as per the scrum masters plan, with the constructors and hardcoded dummy data.

2. What will I accomplish today?

3. What are any obstacles impeding my progress?

▼ **Sprint 21**

- ☑ ~~Amin - tester~~

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 13/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Analysed and listed out the data structures used in the pseudocodes.
2. What will I accomplish today?
   - Write a brief analysis about why the data structures used were used into the report.
3. What are any obstacles impeding my progress (if any)?
   - The limit to the amount of pages I can have in the report and what I have to fit into the report.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Progressed on adding the new features to the admin page.
2. What will I accomplish today?
   - Progress on adding the new features to the admin page.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Modifying backend to reflect front end.
2. What will I accomplish today?
   - Modifying backend to reflect front end.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on coding the Flights table.
2. What will I accomplish today?
   - Finish the Flights table.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 22**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 18/03/2025 - 11am

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Wrote about the data structures, however this may be modified and have some parts removed to make space in the future for the testing and conclusion sections of the report.
2. What will I accomplish today?
   - Discuss the projects progress with my teammates and tick off whatever is done from the list that I made.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Began working on front end and back end connectivity, using JavaScript.
2. What will I accomplish today?
   - Progress on the connectivity code.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Modifying backend to reflect front end.
2. What will I accomplish today?
   - Finish modifying backend to reflect front end.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Finished the code for the Flights table.
2. What will I accomplish today?
   - Begin coding the Employees table in C#.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 23**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 19/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Discussed the project with my teammates.
   - Ticked off from my lists.
2. What will I accomplish today?
   - Start making the Project Management report, starting with the cover page.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Progressed on the connectivity code.
2. What will I accomplish today?
   - Progress on the connectivity code.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Finished modifying backend to reflect frontend.
2. What will I accomplish today?
   - Work on the connection between front end and backend with the flight selection baggage and the handling of the payment
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on coding the Employees table.
2. What will I accomplish today?
   - Progress on coding the Employees table.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 24**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 20/01/2025 - 1pm

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

- Made the cover page for the project management report.
    2. What will I accomplish today?
        - Take sprint meeting notes from my teammates individually.
    3. What are any obstacles impeding my progress (if any)?
        - The project management needs to wait until the last week to be made it seems.
- ▼ Courtney - Secretary
    1. What have I accomplished yesterday?
        - Continuing on working on fetching the backend to connect to the front end.
    2. What will I accomplish today?
        - Progress on the connectivity code.
    3. What are any obstacles impeding my progress (if any)?
- ▼ Dana - Developer
    1. What have I accomplished yesterday?
        - Debugging code, working on connecting front and back end.
    2. What will I accomplish today?
        - Continue debugging and modifying.
    3. What are any obstacles impeding my progress (if any)?
- ▼ Zeel - Developer
    1. What have I accomplished yesterday?
        - Progressed on coding the Employees table.
    2. What will I accomplish today?
        - Finish coding the Employees table.
    3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 25**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 25/03/2025 - 11am

▼ **Attendance:**

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master
    1. What have I accomplished yesterday?
    2. What will I accomplish today?
        - Take sprint meeting notes.
    3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary
    1. What have I accomplished yesterday?

- Continuing on working on fetching the backend to connect to the front end.
   2. What will I accomplish today?
      - Progress on the connectivity code.
   3. What are any obstacles impeding my progress (if any)?
▼ Dana - Developer
   1. What have I accomplished yesterday?
      - Fixed bugs because some of the class names had to be renamed.
   2. What will I accomplish today?
      - Code backend functionality.
   3. What are any obstacles impeding my progress (if any)?
▼ Zeel - Developer
   1. What have I accomplished yesterday?
      - Finished coding the Employees table.
   2. What will I accomplish today?
      - Begin coding the Baggage table using C#.
   3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 26**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 26/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master
   1. What have I accomplished yesterday?
      - Took sprint meeting notes.
   2. What will I accomplish today?
      - Take sprint meeting notes.
   3. What are any obstacles impeding my progress (if any)?
▼ Courtney - Secretary
   1. What have I accomplished yesterday?
      - Progressed on the connectivity code.
      - Debugged the connectivity code.
   2. What will I accomplish today?
      - Finish the connectivity if possible.
   3. What are any obstacles impeding my progress (if any)?
▼ Dana - Developer

1. What have I accomplished yesterday?
   - Code backend functionality with C#.
2. What will I accomplish today?
   - Code backend functionality with C#.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on coding the Baggage table.
2. What will I accomplish today?
3. What are any obstacles impeding my progress (if any)?

▼ Sprint 27

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 27/03/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Took sprint meeting notes.
2. What will I accomplish today?
   - Take sprint meeting notes.
3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Finished fetching the data and connected the back end to the front end.
   - Tested it with successful results and demonstrated it to the scrum master.
2. What will I accomplish today?
   - Assist the developer in debugging the database connectivity problems.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - looking at the final JavaScript and controller and also the database context application to make sure the end to end and data can flow to frontend and back
2. What will I accomplish today?
   - Debug and finalise project code.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Progressed on coding the Baggage table.
2. What will I accomplish today?
   - Finish coding the Baggage table.
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 28**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 01/04/2025 - 11am

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Downloaded the Microsoft SQL Server Management Studio to assist with the debugging of the problem of being unable to connect the database to the other teammates laptops.
2. What will I accomplish today?
   - Make the presentation we are supposed to demonstrate to the stakeholders.
3. What are any obstacles impeding my progress (if any)?
   - Problems with accessing the database through the Microsoft SQL Server Management Studio.

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Assist Zeel with the database by acting as a second screen.
2. What will I accomplish today?
   - Assist Zeel with the database by acting as a second screen.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Download SQL Server Management Studio to assist in the database.
2. What will I accomplish today?
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Finished coding the Baggage table.
2. What will I accomplish today?
3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 29**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 02/03/2025 - 1pm

▼ **Attendance**:

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☑ ~~Amin - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?

   - Made a rough draft of the presentation with most pages defined and designed, only need to increase the amount of points each slide contains and make it more understandable, concise and make valid points.

2. What will I accomplish today?

   - Finish the presentation and hand it over to the team to practice it.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?

   - Debugging the final project with the team.

2. What will I accomplish today?

3. What are any obstacles impeding my progress (if any)?

   - Microsoft SQL server management problems.

▼ Dana - Developer

1. What have I accomplished yesterday?

   - Debugging the final project with the team.

2. What will I accomplish today?

   - Debugging the final project with the team.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?

   - Debugging the final project with the team.

2. What will I accomplish today?

   - Debugging the final project with the team.

3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester

1. What have I accomplished yesterday?

   - Worked on the testing report.

2. What will I accomplish today?

   - Work on the testing report.

3. What are any obstacles impeding my progress (if any)?

▼ Sprint 30

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 03/04/2025 - 1pm

▼ **Attendance:**

☑ ~~Melissa - scrum master~~

☑ ~~Courtney - secretary~~

☑ ~~Dana - developer~~

☑ ~~Zeel - developer~~

☑ ~~Amin - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
   - Finished the presentation slides.
   - Managed to access the database through the Microsoft SQL Server Management Studio.
2. What will I accomplish today?
   - Meet up with the team and practice demonstrating the slides and modify if needed.
   - Meet up with the team to help with the database if I am needed.
3. What are any obstacles impeding my progress (if any)?
   - A teammates non-attendance

▼ Courtney - Secretary

1. What have I accomplished yesterday?
   - Added finishing touches to the main code. Including debugging.
2. What will I accomplish today?
   - Add finishing touches to the main code. Including debugging.
3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
   - Added finishing touches to the main code. Including debugging.
2. What will I accomplish today?
   - Add finishing touches to the main code. Including debugging.
3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
   - Added finishing touches to the main code including code comments.
2. What will I accomplish today?
   - Finish off the final program.
3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester

1. What have I accomplished yesterday?

- Worked on the testing report.

    2. What will I accomplish today?
        - Send in the testing report that I have made.

    3. What are any obstacles impeding my progress (if any)?

▼ Sprint 31

Project name: CST2550

Group name: C Sharp Developers

Date and time: Tuesday 08/04/2025 - 11am

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☑ ~~Amin - tester~~

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
    - Read through the testers 30 page testing report with no time complexity.

2. What will I accomplish today?
    - Turn the testing report into something more concise by making tables of the tests as to fit it into the final report, as the final report only has 2 pages of availability left.
    - Make an email sending constructor class.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
    - Working on the final programs connectivity.
    - Assist the scrum master with the making and modification of my section of the presentation slides.

2. What will I accomplish today?
    - Working on the final program.
    - Practice for the presentation then present the presentation.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
    - Updated some code.

2. What will I accomplish today?
    - Working on the final program.
    - Practice for the presentation then present the presentation.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
    - Working on the final program.

2. What will I accomplish today?
      - Working on the final program.
      - Practice for the presentation and then present the presentation.
   3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester
   1. What have I accomplished yesterday?
      - Submitted to the Scrum Master my report that I made for the testing.
   2. What will I accomplish today?
      - Practice for the presentation and then demonstrate the presentation.
   3. What are any obstacles impeding my progress (if any)?

▼ Sprint 32

Project name: CST2550

Group name: C Sharp Developers

Date and time: Wednesday 09/04/2025 - 1pm

▼ **Attendance:**
   - ☑ ~~Melissa - scrum master~~
   - ☑ ~~Courtney - secretary~~
   - ☑ ~~Dana - developer~~
   - ☑ ~~Zeel - developer~~
   - ☑ ~~Amin - tester~~

▼ Melissa - Scrum Master
   1. What have I accomplished yesterday?
      - Made tables of tests using the testers provided report as report was too long to input into the final report.
      - Added a time complexity column to the tables.
      - Presented the presentation.
   2. What will I accomplish today?
      - Make an email sending constructor class.
   3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary
   1. What have I accomplished yesterday?
      - Updated the readme.
      - Presented the presentation.
   2. What will I accomplish today?
      - Debugging and working on frontend to backend communications.
   3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer
   1. What have I accomplished yesterday?
      - Presented the presentation.
   2. What will I accomplish today?
      - Debugging and working on the final program.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

1. What have I accomplished yesterday?
    - Presented the presentation.

2. What will I accomplish today?
    - Debugging and working on the final program.

3. What are any obstacles impeding my progress (if any)?

▼ Amin - Tester

1. What have I accomplished yesterday?
    - Presented the presentation.

2. What will I accomplish today?

3. What are any obstacles impeding my progress (if any)?

▼ **Sprint 33**

Project name: CST2550

Group name: C Sharp Developers

Date and time: Thursday 10/04/2025 - 1pm

▼ **Attendance**:

- ☑ ~~Melissa - scrum master~~
- ☑ ~~Courtney - secretary~~
- ☑ ~~Dana - developer~~
- ☑ ~~Zeel - developer~~
- ☐ Amin - tester

▼ Melissa - Scrum Master

1. What have I accomplished yesterday?
    - Made an email sending constructor class.
    - Progressed on the Project Management reports making.

2. What will I accomplish today?
    - Add the email sender to the main code and ask my Secretary to implement it as a button in the HTML.

3. What are any obstacles impeding my progress (if any)?

▼ Courtney - Secretary

1. What have I accomplished yesterday?
    - Debugged and modified final project to match design.

2. What will I accomplish today?
    - Debug and modify final project to match design.

3. What are any obstacles impeding my progress (if any)?

▼ Dana - Developer

1. What have I accomplished yesterday?
    - Debugged and modified final project to match design.

2. What will I accomplish today?
    - Debug and modify final project to match design.

3. What are any obstacles impeding my progress (if any)?

▼ Zeel - Developer

  1. What have I accomplished yesterday?
     - Debugged and modified final project to match design.
  2. What will I accomplish today?
     - Debug and modify final project to match design.
  3. What are any obstacles impeding my progress (if any)?

The Plan

▼ 1. Passenger Booking System (HTML & C#) Dana C# Courtney HTML

HTML Tasks:

- ☑ ~~Create a landing page with the flight booking interface.~~
  - ☑ ~~Dropdown menu for selecting destinations (Stanstead is the default location).~~
  - ☐ Add an interactive date map with days with no flights hollowed out.
  - ☑ ~~Display available flights with details (time, price, duration) based on selected route.~~
  - ☑ ~~Include checkbox for additional baggage options (up to 20kg for £20).~~
  - ☑ ~~Seat selection interface (interactive seat map).~~

C# Tasks:

- ☑ ~~Backend logic for displaying available flights:~~
  - ☑ ~~Query the database for available flights based on the selected destination.~~
    - ☐ Send feedback to HTML of dates with flights, highlight those days or hollow out the other days.
  - ☑ ~~Fetch flight details of selected date once selected: time, duration, price, and flight ID.~~
  - ☑ ~~Add details of selected flights to a variable, which you also add the passport number and the confirmation of having paid later on.~~
  - ☑ ~~Add baggage fee if additional baggage is selected.~~
  - ☑ ~~Add selected seat to the~~ passengers ~~table of the~~ seat_number ~~column~~

▼ 2. Passenger Personal Information (HTML & C#) Zeel C# Courtney HTML

HTML Tasks:

- ☑ ~~Create a form for personal details (passport number, name, phone number, DOB, address, seat number, baggage).~~
- ☑ ~~Validate the form fields (ensure no empty fields, proper formats for phone and passport numbers).~~

C# Tasks:

- ☑ ~~Data Validation:~~
  - ☐ Ensure the passport number is unique by querying the database (check if there is no match).
  - ☑ ~~Validate form data (e.g., date of birth format, phone number format).~~
- ☑ ~~Store Passenger Info:~~
  - ☑ ~~Save the user's details into the~~ passenger ~~table.~~
  - ☑ ~~Include a seat assignment and baggage information in the passenger table.~~

▼ 3. Payment Page (HTML & C#) Dana C# Courtney HTML

HTML Tasks:

- ☑ ~~Design a payment form with fields for credit card details (name, card number, expiration date, CVV). Or just plain, this doesn't have to be made, it's enough to just suggest it.~~
- ☑ ~~Display the total price, including flight and baggage fees.~~

C# Tasks:

- [x] ~~Simulate Mock Payment Process:~~
  - [x] ~~Calculate the total price, check if passenger has selected a baggage (~~ ~~passengers~~ ~~table) and add the price of the destination using the~~ ~~DestinationsPrices~~ ~~table.~~
  - [x] ~~On confirmation, generate a unique booking number, auto increment in the~~ ~~passengers~~ ~~table.~~
  - [x] ~~Save payment confirmation (Boolean) and related data into the~~ ~~bookings~~ ~~table in SQL.~~

▼ **4. Booking Confirmation (HTML & C#)** `Melissa C#` `Courtney HTML`

HTML Tasks:

- [x] ~~Create a confirmation page where users can view their booking reference number, flight details, and personal information. 1st let's do the pdf, and add a title on top of it, displaying the details on the page is additional.~~
- [ ] Provide a link to download the booking as a PDF file.

C# Tasks:

- [x] ~~**Send Confirmation Email:** Use C#'s SMTP library (e.g.,~~ ~~SmtpClient~~ ~~) to send a booking confirmation email to the passenger with the booking confirmation pdf.~~
- [ ] **Generate PDF:** Use a library like `iTextSharp` or `PdfSharp` to generate the PDF of the booking details with the booking reference.

▼ **5. Admin Check-in System (HTML & C#)** `Amin C#` `Courtney HTML`

HTML Tasks:

- [x] ~~Create an admin login page with username and password.~~
- [x] ~~Create an admin dashboard with a searchable list of passengers (by passport number).~~
- [x] ~~Add a button that links to the CRUD planes page~~
- [x] ~~Display a checkbox to mark passengers as checked-in.~~

C# Tasks: `Zeel C#` `Courtney C#`

- [x] ~~**Admin Authentication:** Implement simple authentication (username/password) for the admin login page.~~
- [x] ~~**Passenger Check-in Logic:**~~
  - [x] ~~When a passenger is checked in, update their~~ ~~checked_in~~ ~~status in the~~ ~~Passengers~~ ~~table to true for arrived.~~

▼ **6. CRUD planes (HTML & C#)** `Courtney HTML` `Courtney JavaScript`

HTML Tasks:

- [x] ~~Add a form for plane details with a plane adding button (Create)~~
- [x] ~~View planes in a table format (Read)~~
  - [x] ~~There should be a button next to each row for deletion (Delete)~~
  - [x] ~~Update the table of planes after deletes~~

JavaScript Tasks:

- [x] ~~Fetch plane details from SQL and feed it to the HTML~~
- [x] ~~Add planes from HTML to SQL using JavaScript~~
- [x] ~~Delete rows of planes if button in HTML to delete is pressed~~
- [x] ~~After every operation, refresh the HTML~~

▼ **7. Flight Assignment (HTML & C#)** `Amin C#` `Courtney HTML`

HTML Tasks:

- [ ] Admin airport page showing a timetable of upcoming flights in a table format (flight number, destination, departure time).
  - This is what is displayed on the roof in the airport.
- [x] ~~A table of employees underneath displays the employee table, with a search for~~ ~~flight_id~~ ~~and~~ ~~employee_id~~ ~~.~~

C# Tasks:

☐ **Assign Flights:**

    ☐ Query available planes and pilots from the SQL database.

    ☐ Automatically assign planes and pilots to destinations based on availability using a mathematical algorithm that checks for conflicts in scheduling.

    ☐ After 2 hours in the destination, using the duration of the flight, calculate when the plane will be back and add this as a `return_dateTime` .

    ☑ ~~Assign staff `flight_id` , 5 staff per plane.~~

    ☐ Conflict Resolution: Check for conflicting schedules (no overlapping flights) using SQL queries.

▼ Database Structure `Zeel SQL`

☑ ~~Auto incremented ID's~~

☑ ~~SQL Database Tables:~~

▼ Passengers:

- `passport_number` (Primary Key)
- `full_name`
- `phone_number`
- `dob`
- `address`
- `baggage` (Boolean) - if true: total += £20
- `checked_in` (Boolean)
- `email`

▼ Flights:

- `flight_id` (Primary Key)
- `plane_id` (Foreign Key from Planes)
- `destination` (Foreign key from DestinationsPrices)
- `departure_dateTime`
- `return_dateTime` - for plane, not for passengers two-way tickets
- `gate`
- `duration`

▼ DestinationsPrices:

- `destination` (Primary key)
- `price`
- `airport_name`

▼ Bookings:

- `booking_id` (Primary Key) auto incremented
- `passport_number` (Foreign Key from Passengers)
- `flight_id` (Foreign Key from Flights)
- `payment_status` (Boolean)
- `seat_number`

▼ Planes:

- `plane_id` (Primary Key)
- `seat_capacity`
- `availability` (Boolean)
- `weight`

- ▼ **Employee:**
  - `employee_id` (PK)
  - `role`
  - `employee_name`
  - `flight_id` (Foreign Key from `Flights`)
- ▼ **Baggage:**
  - `baggage_id` (Primary Key)
  - `passport_number` (Foreign Key from Passengers)

Research Documents

AIRPORT MANAGEMENT SYSTEM – GROUP ASSIGNMENT

TEAM – C SHARP DEVELOPERS

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WHAT IS AN AIRPORT MANAGEMENT SYSTEM?

An **Airport Management System (AMS)** is a software solution designed to manage various operations within an airport efficiently. It integrates different functions to enhance security, streamline processes, and improve passenger experience.

Key Features of an Airport Management System

1. **Flight Operations Management** – Tracks arrivals, departures, delays, and cancellations.
2. **Air Traffic Control (ATC) Coordination** – Helps in managing aircraft movement on runways and in the air.
3. **Passenger Handling** – Includes check-in, baggage handling, boarding, and immigration processing.
4. **Security & Surveillance** – Integrates CCTV monitoring, biometric scanning, and access control.
5. **Cargo & Logistics Management** – Monitors freight movement, customs clearance, and storage.
6. **Ground Handling Services** – Manages fuelling, catering, and aircraft maintenance.
7. **Financial & Revenue Management** – Manages airport fees, airline billing, and retail operations.
8. **Facility & Resource Management** – Allocates gates, counters, parking, and lounges efficiently.
9. **Emergency & Crisis Management**—Coordinates response plans for emergencies such as fires, medical situations, or technical failures.
10. **Customer Service & Information Systems** – Provides real-time updates via digital screens and mobile applications.

PLAN FOR THE FLIGHT MANAGEMENT SYSTEM
INTERFACE FUNCTIONALITY (USER BOOKING)

1. **Flight Selection:**
   o Pre-select **Stansted** as the departure location.
   o Dropdown for **arrival locations** (dynamically fetched from the database).
   o Show flight details: **time, duration, price, and Flight ID** dynamically.
2. **Baggage Selection:**
   o Checkbox to add **checked baggage (£20 flat fee)**.
   o Show **what is included for free** (carry-on, 2kg).
3. **User Information & Checkout:**

- o Collect user details: **Name, Email, Passport ID, Phone Number, DOB, Address**.
- o Payment form (simulate a payment gateway).
- o After confirmation:
  - ▪ Generate **a booking reference number**.
  - ▪ Send an **email with the flight confirmation**.

Backend (Database & Processing)
- Validate all user inputs (prevent SQL injection & incorrect data).
- Fetch available flights dynamically from the **SQL database**.
- Save booking data in the **Booking Table**.
- Generate a unique **booking reference** for each passenger.

BACKEND FUNCTIONALITY (ADMIN)
- **Add Flights:** Admin can **create flights** with:
  - o Flight ID, Destination, Departure Time, Arrival Time, Gate Number, Pilot/Cabin Crew.
- **Update Flights:** Modify flight schedules (time, price, status).
- **Cancel Flights:** Flag flights as cancelled (without deleting data).
- **View Flights:**
  - o Show **departures, arrivals, delays, or cancellations** dynamically.

KEY FEATURES TO IMPLEMENT
FLIGHT MANAGEMENT (ADMIN FUNCTIONALITY)
- **Add Flights:** Admin can **create flights** with:
  - o Flight ID, Destination, Departure Time, Arrival Time, Gate Number, Pilot/Cabin Crew.
- **Update Flights:** Modify flight schedules (time, price, status).
- **Cancel Flights:** Flag flights as cancelled (without deleting data).
- **View Flights:**
  - o Show **departures, arrivals, delays, or cancellations** dynamically.

PASSENGER MANAGEMENT
- **Passenger Check-in:**
  - o Allow passengers to **confirm attendance** for flights.
  - o Generate a **boarding pass** (simple printable PDF).
- **Details Maintenance:**
  - o Store/update passenger info linked to bookings.

BAGGAGE MANAGEMENT
- **Track Checked Baggage:**
  - o Store baggage linked to **Passenger ID and Flight ID**.
- **Prevent Misplacement:**
  - o Show **which baggage belongs to which passenger & flight**.

EMPLOYEE MANAGEMENT

- **Manage Employees:**
  - Store **pilot and cabin crew details**.
  - Assign **flights and shifts** dynamically.
- **View Schedules:**
  - Show which employees are assigned to flights.

ANALYTICS AND REPORTING

- **Flight Reports:**
  - Show **on-time performance, delays, and cancellations**.
- **Passenger Reports:**
  - Track the **number of bookings per flight**.
- **Employee Reports:**
  - Show **shift summaries & performance metrics**.
- **Daily Summaries:**
  - Overview of **flights, passengers, and operations**.

SQL DATABASE

This is an example of how we can organise our database.

PASSENGER

PassengerID	Name	Email	PassportID	Phone	DOB	Address
1	John Doe	john@example.com	ABC12345	123456789	1995-05-10	London

FLIGHT

FlightID	Destination	DepartureTime	ArrivalTime	GateNumber	PilotID	Price
101	Paris	10:00 AM	12:00 PM	A5	22	£150

BOOKING

BookingID	PassengerID	FlightID	Baggage	PaymentStatus	BookingReference
2001	1	101	Yes	Paid	ABC1234567

EMPLOYEE

EmployeeID	Name	Role	AssignedFlight	ShiftTime
301	Jane Smith	Pilot	101	8:00 AM - 4:00 PM

GATE AND RUNWAY

GateID	FlightID	Status
A5	101	Occupied

POTENTIAL FEATURES WE COULD ADD AFTER TO IMPROVE FOR A HIGHER GRADE

- Use a sleek and clean design.
- **Real-time Updates** – Display real-time flight changes (e.g., delays, gate changes).
- **Interactive Dashboard** – Show **graphs and statistics** on flight operations, bookings, and employees.
- **Security Features** – Hash passwords, validate inputs, and implement role-based access (Admin, Employee, Passenger).
- Adding real-life API - Create a **REST API** to integrate with third-party services (e.g., airline databases).
- Add **QR codes** to booking references for digital boarding passes.
- Send **booking confirmation emails.**

TECHNOLOGY WE WILL BE USING

Frontend (User Interface):
- C#
- ASP.NET Core
- XAML for styling UI.

Backend (Processing & Business Logic):
- C# with .NET Core.

Database (Storage & Queries):
- SQL Server.

Airport Flight Management System

1. User Authentication and Authorization

- Login for different user roles (e.g., Admin, Ground Staff, Pilot, Flight Attendant, Passenger).
- 1 admin account

2. Flight Scheduling and Management

- Add new flights: input flight details (flight number, origin, destination, date/time, aircraft, pilot crew, etc.).
- Modify flight details (time changes, cancellations, etc.).
- View flight status (scheduled, delayed, on-time, canceled).
- Flight conflict resolution (checking for conflicting schedules).
- Track delays (leave to last) and cancellations.

3. Ticketing and Booking System

- Search flights based on origin, destination, date.
- Book tickets (one-way, round trip).
- Passenger details entry (name, passport, DOB etc.).
- Payment processing (and then skip).
- Issue boarding passes. (this is manual)
- Refunds and cancellations. (leave to last)

4. Check-In System

- In-person check-in (at the airport).
- Baggage tracking and handling.
- Assign seats.
- Check-in status (confirmed, pending, waitlist).

5. Boarding and Gate Management

- Manage gate assignments for each flight.

6. Flight Status and Tracking

- Real-time tracking of flights (departure/arrival times).
- Provide updates on delays or gate changes.
- Notify about flight status changes. (Staff screen)
- Display real-time flight statuses at the airport. (Airport screen)

7. Baggage Handling and Tracking

- Limit extra baggage weight to 20kg. (reject too heavy baggage)
- Free carry on under 2kg.

8. Crew Management

- Schedule and manage crew shifts (pilots, flight attendants).
- Monitor crew availability.
- Assign crews to flights.

9. Database Management

- Store and manage data related to flights, passengers, staff, aircraft, tickets, baggage, etc.
- Implement data security (encryption, backups). (leave for last)
- Database normalization and optimization for performance.

FrontEnd Functionality

1. **Flight Selection:**
   - User chooses:
     - **Departure Location** (Stansted pre-selected as the only departing location).
     - **Arrival Location** (dropdown list of destinations).
   - User selects a flight:
     - **Flight Time**.
     - **Duration**, **Price**, **Flight ID** (displayed dynamically).

Search flights

1. Next, the user should pick out the time of the flight they would like to pick, our interface should display the time, how long it will take, and the price of the flight.

2. **Baggage Selection:**
   - Checkbox to add **checked baggage** (£20 flat fee).
   - A clear indication of what's included for free (carry-on, 2kg).

3. **User Information and Checkout:**
   - Collect personal details:
     - Name, Email, Passport ID, Phone Number, DOB, Address.
   - Payment form.
   - After confirmation, generate a **booking reference number**.
   - Email the user their **confirmation details**.

Backend Functionality

- **Data validation for user inputs.**
- **Integration with the database to:**
  - **Fetch available flights.**
  - **Save user booking data.**
  - **Generate confirmation (e.g., booking reference).**

Flight Management

- Add Flights: Create flights with:
  - Flight ID, Destination, Departure Time, Arrival Time, Gate Number, Pilot/Cabin Crew.
- Update Flights: Modify flight schedules or details.
- Cancel Flights: Mark flights as cancelled (flag in the database).
- View Flights: Display:
  - Departures, arrivals, delays, or cancellations.

Passenger Management

- Passenger Check-in:
  - Allow passengers to confirm attendance for flights (generate a boarding pass).
- Details Maintenance:
  - Store and update passenger information (linked to bookings).

Baggage Management

- Track Checked Baggage:
  - Maintain a database of passenger baggage (linked to bookings).
- Prevent Baggage Misplacement:
  - Associate baggage with Flight ID and Passenger ID.

Employee Management

- Manage employees:
  - Pilots and cabin crew details.
  - Assign flights and shifts to employees.
- View schedules:
  - Which employees are assigned to specific flights.

Analytics and Reporting

- Flight Reports: Summarize:
  - Operational performance (on-time flights, delays, cancellations).
  - Passenger data (number of bookings per flight, etc.).
- Employee Reports: Provide:

○ Shift summaries and staff performance metrics.
- Daily Summaries: For flights, passengers, and operations.

Database design

Passenger Table

Field Name	Data Type	Description
PassengerID	INT (Primary)	Unique identifier for the passenger.
FullName	VARCHAR(100)	Passenger's full name.
PassportNumber	VARCHAR(50)	Passport number.
Email	VARCHAR(100)	Email address.
Phone	VARCHAR(15)	Contact number.
DOB	DATE	Date of birth.
Address	VARCHAR(200)	Address of the passenger.
FlightID	INT (Foreign)	Link to the flight they are booked on.

Flight Table

Field Name	Data Type	Description
FlightID	INT (Primary)	Unique identifier for the flight.
Destination	VARCHAR(100)	Flight destination.
DepartureTime	DATETIME	Departure time.
ArrivalTime	DATETIME	Arrival time.
GateNumber	VARCHAR(10)	Assigned gate for the flight.
Price	DECIMAL(10,2)	Price of the flight.

Employee Table

Field Name	Data Type	Description
EmployeeID	INT (Primary)	Unique identifier for the employee.
FullName	VARCHAR(100)	Employee's full name.
Role	VARCHAR(50)	Role (e.g., Pilot, Cabin Crew).
AssignedFlightID	INT (Foreign)	Assigned flight for that shift.

Gate and Runway Table

Field Name	Data Type	Description
GateID	INT (Primary)	Unique identifier for the gate/runway.
FlightID	INT (Foreign)	Flight assigned to this gate.

Booking table

Field Name	Data Type	Description
BookingID	INT (Primary)	Unique identifier for the booking.
PassengerID	INT (Foreign)	Linked passenger ID.
FlightID	INT (Foreign)	Linked flight ID.
BaggageIncluded	BOOLEAN	Indicates if baggage is added.
TotalPrice	DECIMAL(10,2)	Total price of the booking.