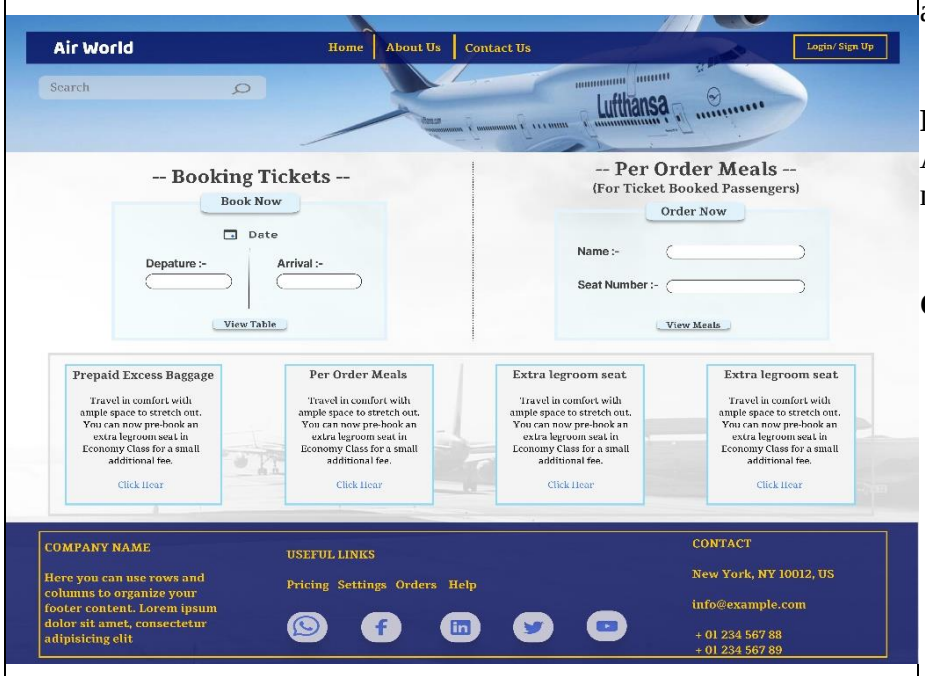
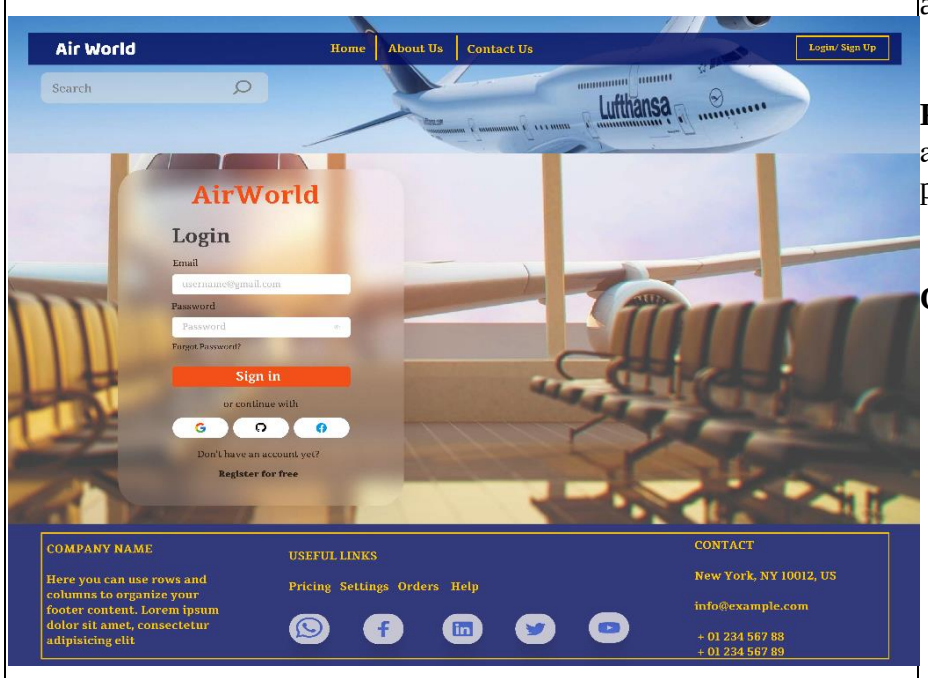
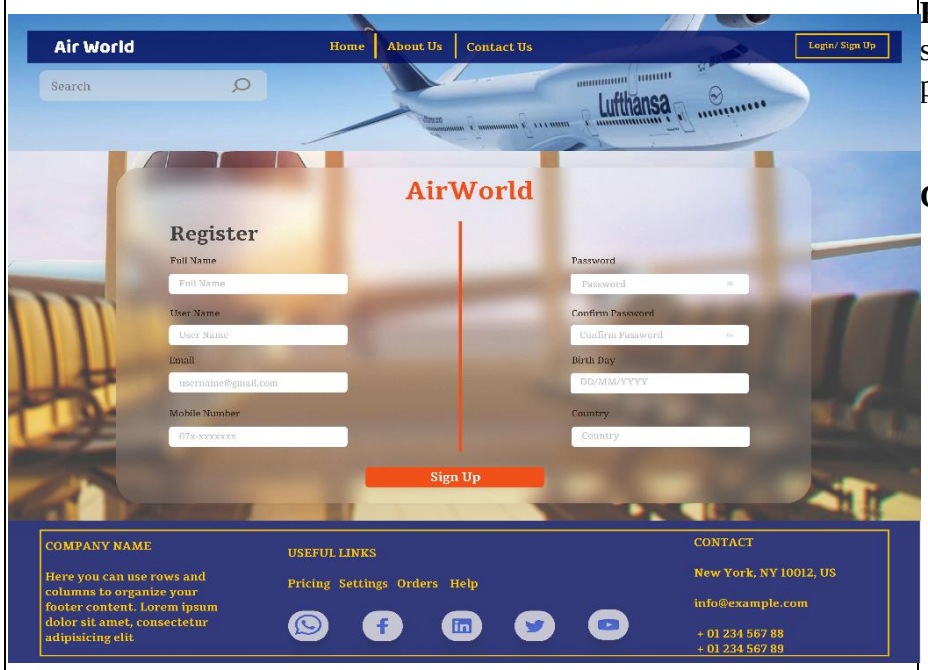
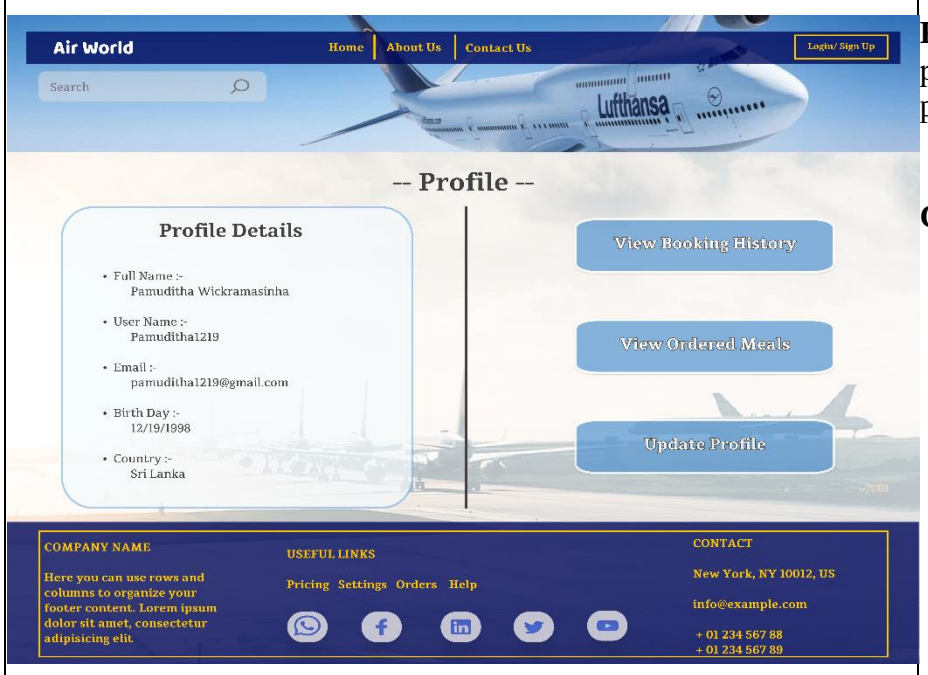
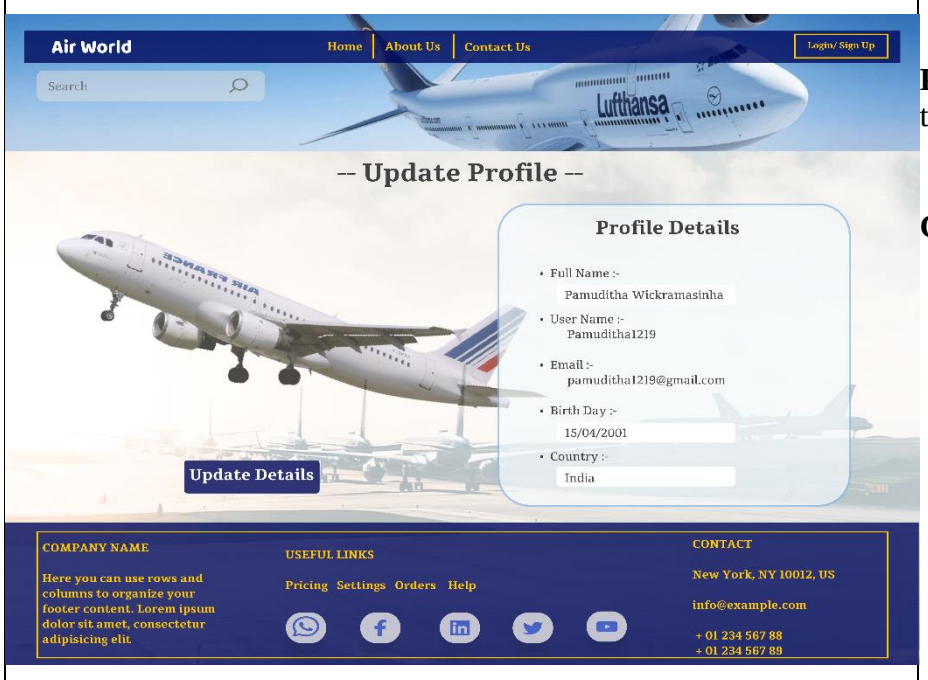
BSc (Hons) in Information Technology
Year 3
Assignment 1

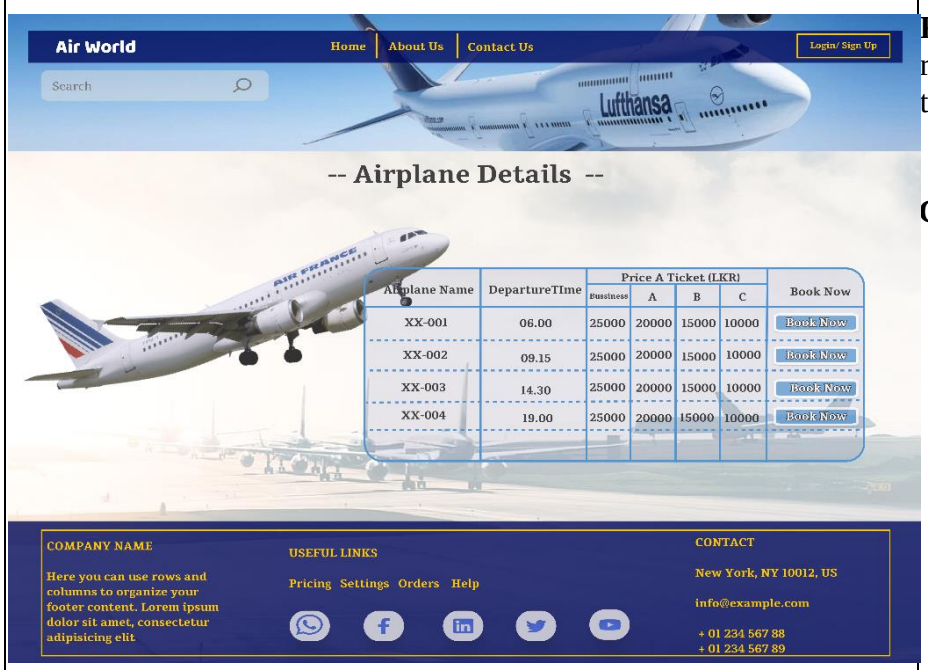
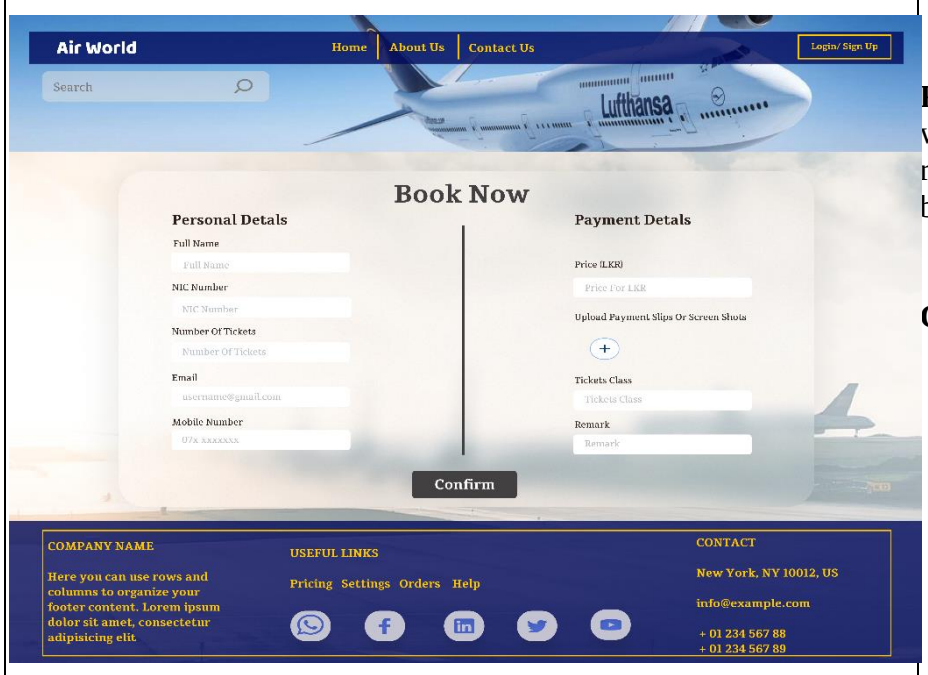
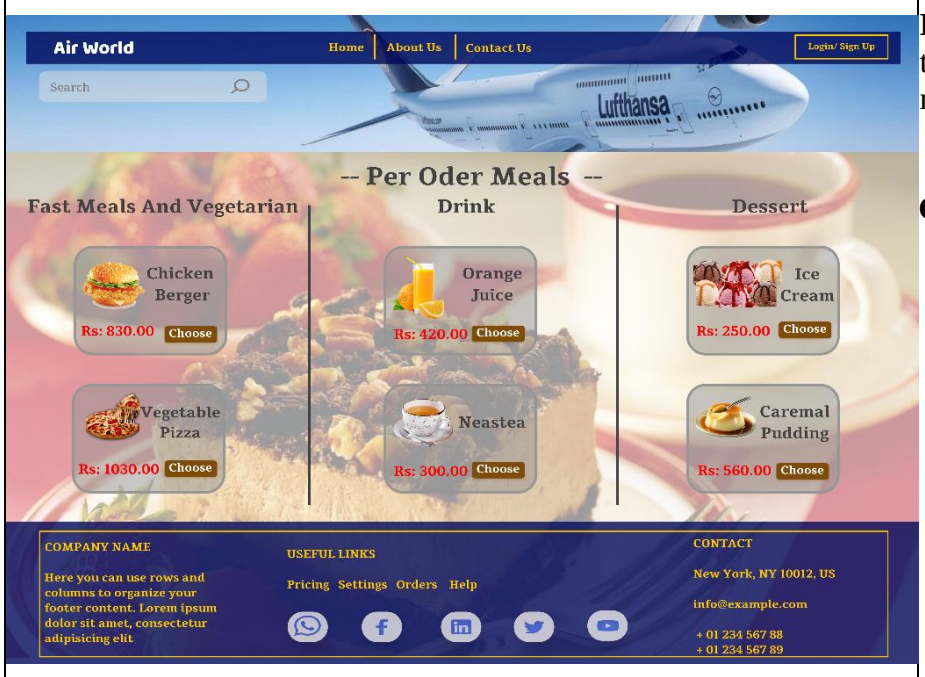
IT3040 – ITPM **Semester 1**

Group No:	**REG/WD/20**
Brief description of the project	We are designing an airline Ticket Booking System for our ITPM project. It has two main parts. One is to book airline tickets and the other is to be able to pre-order meals for the passenger who has booked a ticket. There we divided the project into four main functions: Airline Flight Management, Airline Food Management, Checking Booked Tickets and Management, Admin Profile, Booking Tickets and Passenger Management. Airline Flight Management handles all Airline details, including updates and cancellations. In Airline Food Management, the food entry and update required for the passenger to order food is included and the food is included separately according to the class in which the ticket is booked. Also, in the Checking Booked Tickets and Management function, the passenger checks the booked tickets and if there is an error in the payment or anywhere else, the passenger will be notified by email. Also, once the tickets are booked correctly, the passenger will be booked a seat on the flight and notified via an email. During the Booking Tickets and Passenger Management function, the passenger can book a ticket and order food if required through the seat number provided to him. To book a ticket, the passenger must be logged into the system and can register if he does not have an account.
Registration	**IT20278380**
Student	**J P P WICKRAMASINHA**
Function(s) (Booking Tickets and Passenger Management**)**	**Sprint 1** • Home • Login • Register • Profile • Update Profile **Sprint 2** • Book Now • Airplane Table • Per Order Meals • View Order Meals • View Tickets History and Cancel Tickets

Sprint 1

Picture of interface 1	Brief description of interface 1
	**Purpose**: The Home page is displayed at the beginning of the web application. **Flow**: There comes the home page first and you can book a ticket there. Also, a passenger who has booked tickets can order food using the seat number provided if required. **Good practices**: ▪ This interface was designed by focusing on specific task, which are search Airplane timetable and per order meals for passenger ▪ The labels were given meaningful names, and the first letter of each word was capitalized. In addition, it was made sure that there are no spelling mistakes. ▪ Auto search will be done when typing the first letter of the county for ease of handling when booking tickets
Picture of interface 2	**Brief description of interface 2**
	**Purpose**: Need to log in to view your profile for the passerby and book a ticket. **Flow**: You must be logged in to the passenger system to book tickets and order food. For that you need to log in using passenger's email and password. **Good practices**: ▪ The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes. ▪ In the email input fields, the pattern for typing the email is displayed and the password can be seen while typing. ▪ If you have forgotten your password, you can use the forget password field to find it.

	Picture of interface 3	Brief description of interface 3
		**Purpose**: The new passengers need to register before logging in. **Flow**: A newcomer passenger can register on the system. Information such as name, username, email, mobile number, country, and password are retrieved. **Good practices**: ▪ All input fields, the pattern for typing is displayed. ▪ Can type the password and see if it is correct and you can also confirm the password. ▪ The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes.
	Picture of interface 4	**Brief description of interface 4**
		**Purpose**: Provide a view of passenger's personal profile **Flow**: After logging in, you will be able to book a ticket and view the passenger's profile. In the profile, the passenger can update the profile, view the ticket history, and view the pre-ordered food **Good practices**: ▪ The profile allows the passenger to access all the details they need to see ▪ The labels were given meaningful names. The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes ▪ Profile details are set up with a separate background for easy identification.
Sprint 2	**Picture of the interface_5**	**Brief description of interface_5**
		**Purpose**: Updating passenger's personal profile **Flow**: When going to update passenger's profile, you can only update the passenger's name, date of birth and country. **Good practices**: ▪ The labels were given meaningful names. The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes ▪ Email and username cannot be changed because you need to log in. ▪ Update details are set up with a separate background for easy identification.

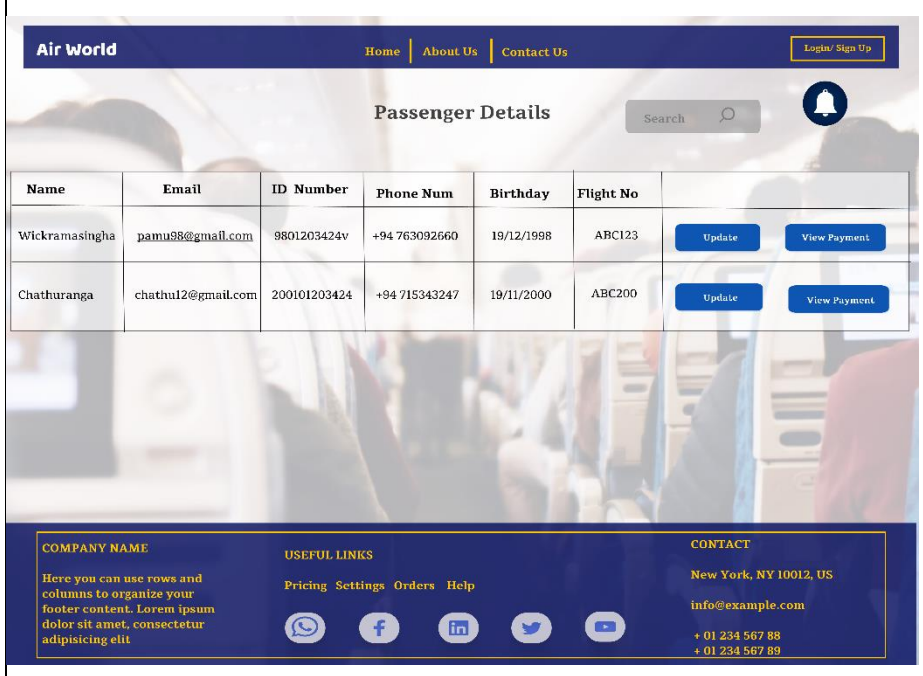
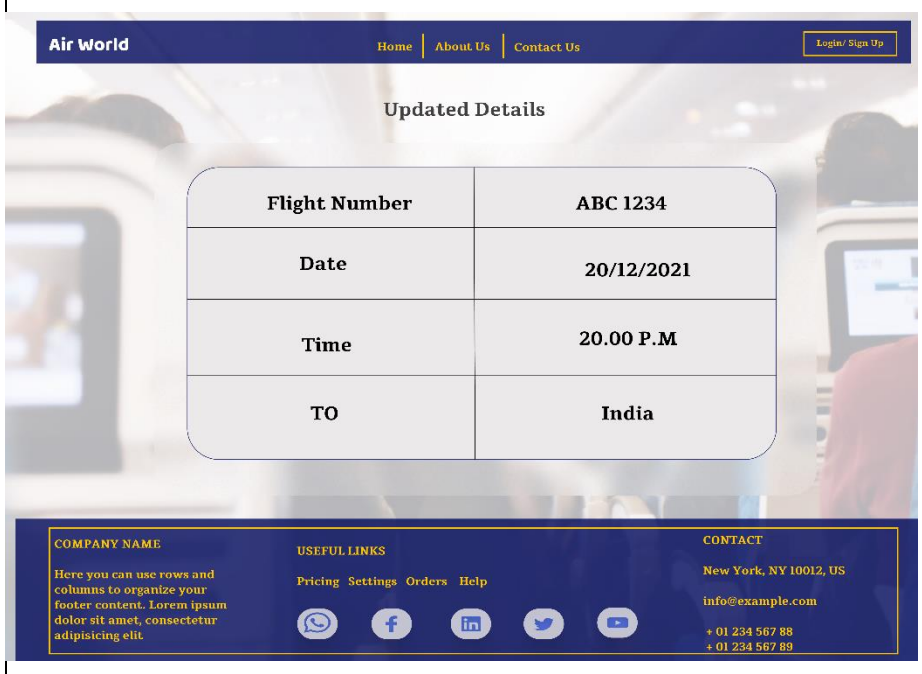
Picture of the interface_6	Brief description of interface_6
	**Purpose**: Provides the airline timetable for the destination **Flow**: This page comes up after entering the destination and date required to book a ticket in the home page. This page provides a timetable for the day and allows you to book an airplane at any time. **Good practices**: ▪ The Book now button appears in each row to book an airplane of your choice. ▪ The labels were given meaningful names. The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes ▪ Timetable details are set up with a separate background for easy identification.
Picture of the interface_7	**Brief description of interface_7**
	**Purpose**: Enter personal details and payment details related to booking a ticket **Flow**: After selecting the required Airplane for a timetable, this page will provide you with the personal details and payment details required to book a ticket. Here you need to make a payment to the bank or through an online method and upload an image of it. **Good practices**: ▪ All input fields, the pattern for typing is displayed. ▪ The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes ▪ In this Interface set up with a separate background for easy identification
Picture of the interface_8	**Brief description of interface_8**
	**Purpose**: After booking a ticket, order food for the flight if required **Flow**: After providing the information required to per order meals in the home page, you will come to this page where you can order the required food. **Good practices**: ▪ The labels were given meaningful names. The first letter of each word was capitalized in this interface. In addition, it was made sure that there are no spelling mistakes ▪ In this Interface set up with a separate background for easy identification ▪ The Choose button appears in each food to book a food of your choice.

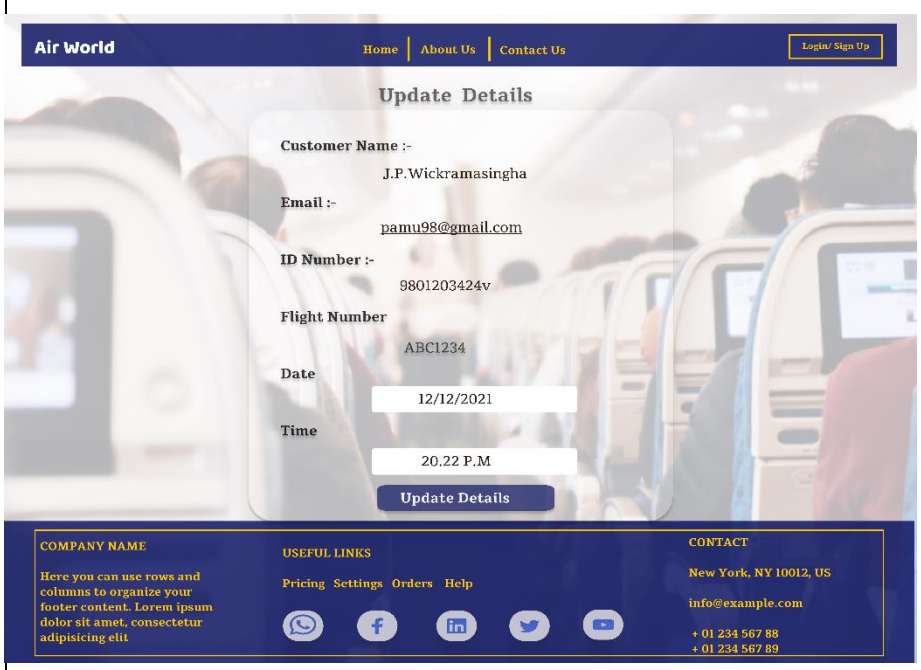
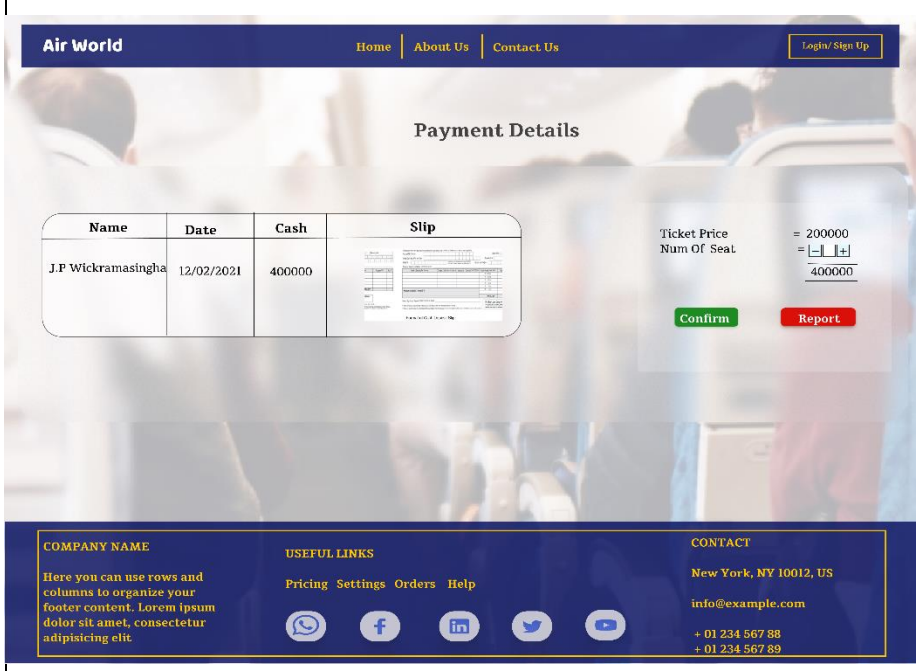
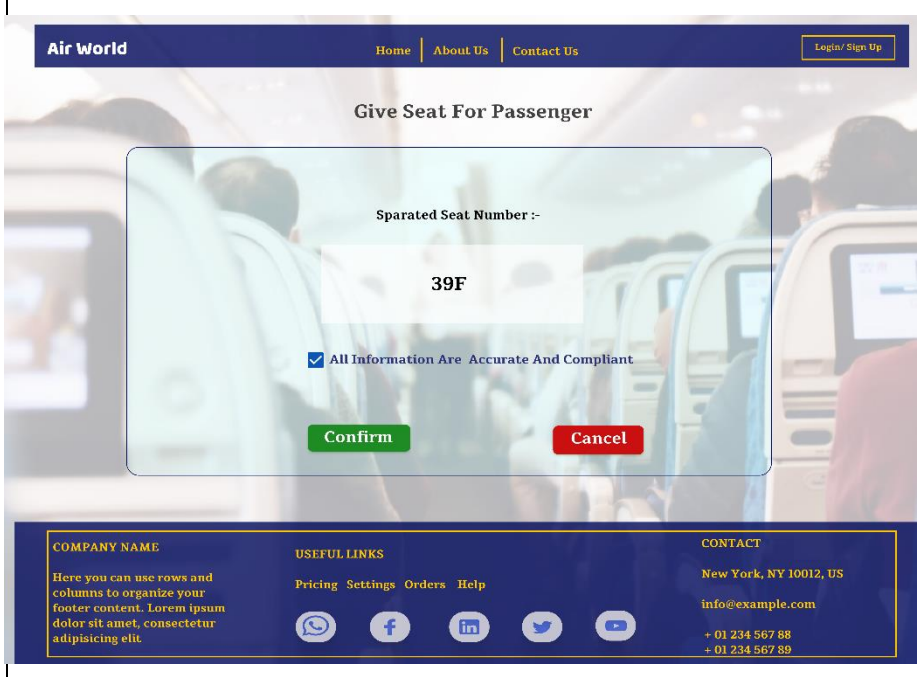
BSc (Hons) in Information Technology
Year 3
Assignment 1

IT3040 – ITPM **Semester 1**

Registration	**IT20276232**
Student	**U K M C ULPATHAKUMBURA**
Function(s) (Checking Booked Tickets and Management)	**Sprint 1** • Passenger Details • Airplane Updated Details • Update Details • Payment Details **Sprint 2** • Give Seat for Passenger • Tickets Details • Inform Bank

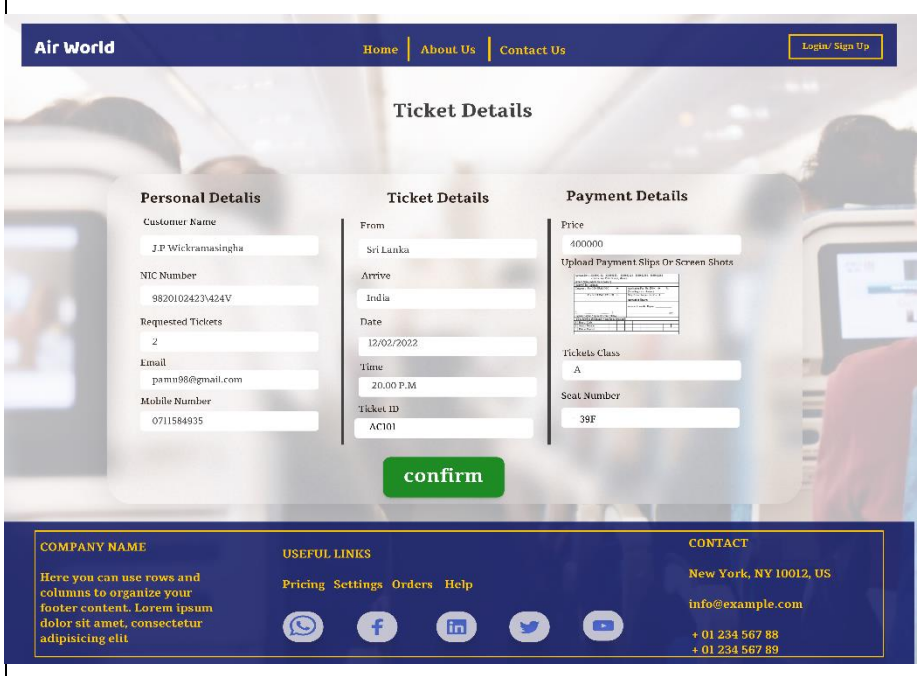
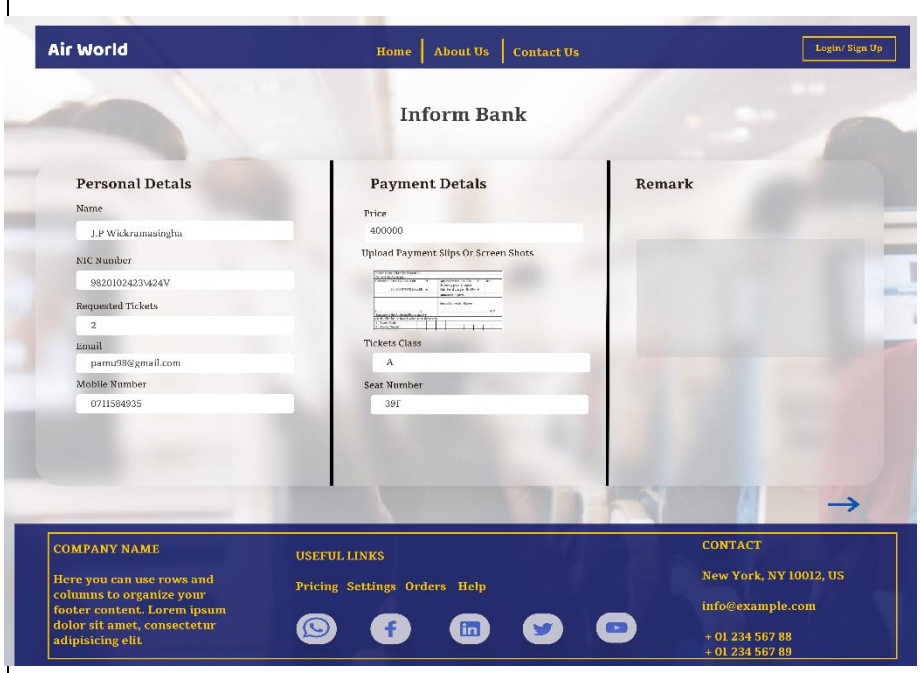
Sprint 1

Picture of interface 1	Brief description of interface 1
	**Purpose**: You can know about the new update from this. You can also update details and view passenger payments. **Flow**: Here are the details of the passenger. If the flight time date changes, it can check the notification. The date and time can be changed with the “Update” button. Passenger payment details can be viewed with the “Payment Details” button. Can change the passenger information you want to update by clicking on the flight number in the search button. **Good practices**: ▪ All the titles here are in capital letters. ▪ A search button is placed so that the details of any passenger can be easily identified. ▪ The information is tabulated for easy identification
Picture of interface 2	**Brief description of interface 2**
	**Purpose**: Modified date and time can be updated here **Flow**: After clicking the notification button, admin can see the update details. **Good practices**: ▪ The information is tabulated for easy identification. ▪ Beginning The first letter of every word is capitalized. ▪ Only required data is included.

	Picture of interface 3	Brief description of interface 3
		**Purpose**: You can see the changed time and date here **Flow**: The administrator can view this page by clicking the “Update” button on the Passenger Details page. After changing the data to be changed and clicking on the “Update Details” button, the modified details will be emailed to the passenger. **Good practices**: ▪ Only the areas that need to be changed are set to change. ▪ Set to receive an updated email address when the passenger clicks the "Confirm" button. ▪ The colors used for the buttons match exactly
	Picture of interface 4	**Brief description of interface 4**
		**Purpose**: Depending on the number of seats reserved for the ticket booked by the passenger, it will be calculated along with the amount paid by the passenger. **Flow**: The administrator can view this page by clicking the “Payment View” button on the Passenger Details page. A table shows the passenger's payment details. Check the number of seats reserved by the passenger and check if the ticket price is equal to the amount paid by the passenger and click the “Confirm” button then the passenger will receive an email saying, "Payment is successful". If there are no seats or is a payment issue, click the “Report” button, and the passenger will be notified by email. **Good practices**: ▪ The information is tabulated for easy identification ▪ The computation section is shown separately ▪ The passenger is set to receive an email when they click the "Confirm" button
Sprint 2	**Picture of the interface_5**	**Brief description of interface_5**
		**Purpose**: The passenger seat is reserved here **Flow**: The administrator can view this page by clicking the “Confirm” button on the Payment Details page. Seats will be reserved for tickets reserved on this page. **Good practices**: ▪ The first letter of each word is written in capital letters. ▪ The spelling is spelled correctly. ▪ The colors used for the buttons match exactly

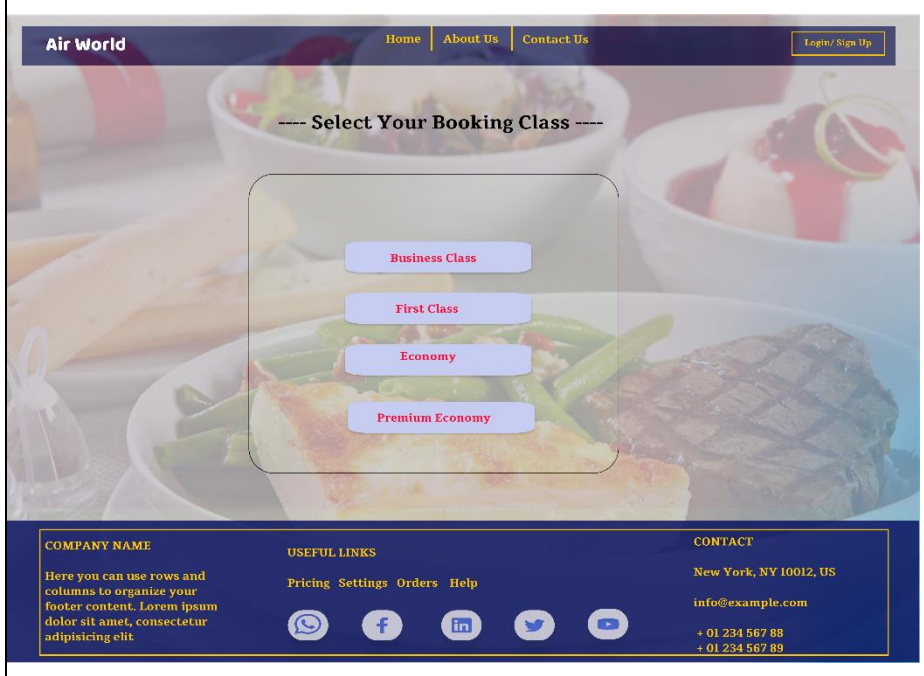
BSc (Hons) in Information Technology
Year 3
Assignment 1

IT3040 – ITPM **Semester 1**

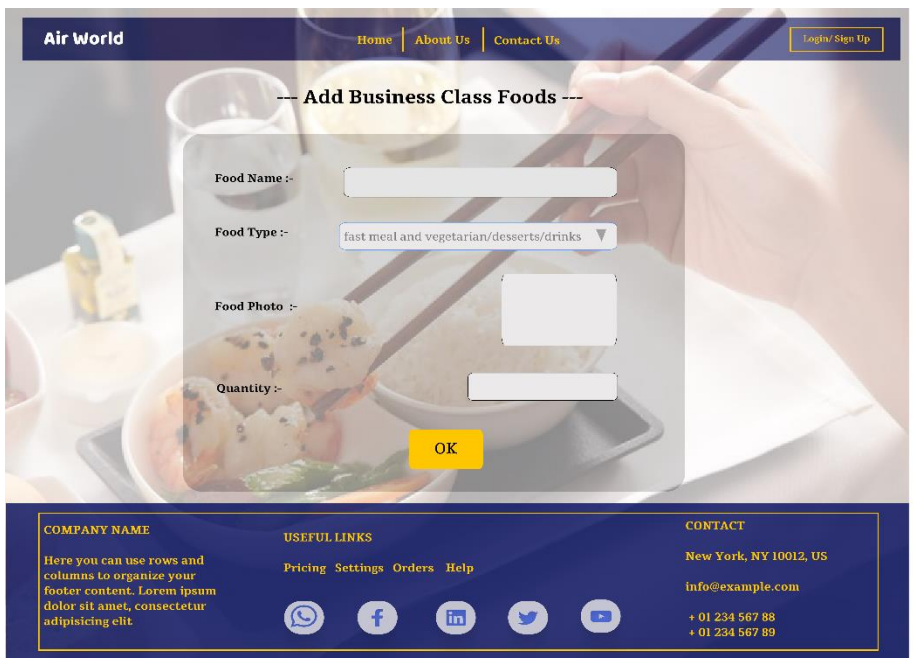
	Picture of the interface_6	Brief description of interface_6
		**Purpose**: Passenger details, payment details and ticket details will be e mailed to the passengers **Flow**: Clicking the "Confirm" button on the seat details page will take the administrator to this page. On this page you will find the passenger's "Personal Details", "Payment Details" and "Ticket Details". After clicking the "Confirm" button, the ticket will go to the passenger's email. **Good practices**: ▪ Information is reserved for easy identification. ▪ The first letter of each word is written in capital letters. ▪ The ticket is set to be emailed to the passenger when the "Confirm" button is clicked.
	Picture of the interface_7	**Brief description of interface_7**
		**Purpose**: When the passenger's ticket is canceled, the bank will notify you to pay the passenger's payment. **Flow**: The administrator can view this page by clicking the “Report” button on the Payment Details page. On this page you will find the passenger's personal details and payment details. The reason for returning the money should be stated in the "Remark". After pressing the arrow, the passenger will be notified a refund via email. **Good practices**: ▪ Necessary information is kept separate. ▪ All the titles here are in capital letters. ▪ An email will be sent to the bank after entering all the required details
Registration	**IT20243876**	
Student	**T J N PRIYADARSHANI**	
Function(s) (Airline Food Management)	**Sprint 1** • Select Booking Class • Business Class • First Class • Food Order Details **Sprint 2** • Add Business Class Food • Add First Class Food • Update business Class Food • Update First Class Food	

BSc (Hons) in Information Technology
Year 3
Assignment 1

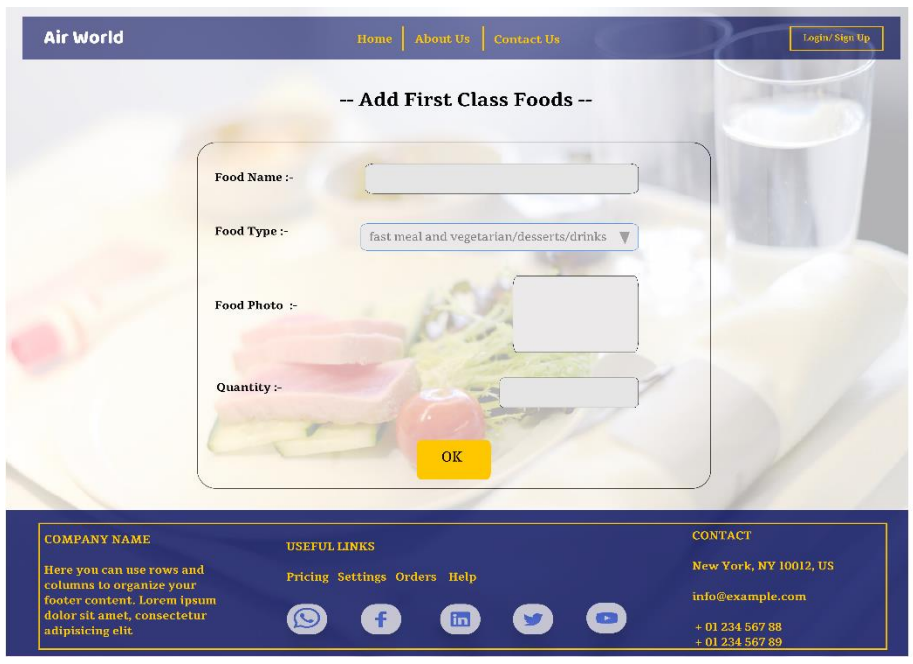
IT3040 – ITPM **Semester 1**

	Picture of interface 1	Brief description of interface 1
Sprint 1		**Purpose**: This interface will be used to select the food order booking classes. **Flow**: First you need to log in to the system. Then you can order food to suit our class. There are 4 classes placed here. When we click on the relevant class we will be shown the food menu related to that class. **Good practices**: ▪ Added light color to the fonts in Button ▪ There is a light blur background for easy identification ▪ Buttons have been added to separate classes
	Picture of interface 2	**Brief description of interface 2**
		Purpose: This is shown as the business class food menu. **Flow**: Here is the business class food menu. We can order a delicious meal. There are 3 food tits. If you want to add a food, when you click the add button, a forum will be filled. You can change the food we ordered by clicking on the Update button. You also need to fill out a form. If you want to cancel the ordered food, you need to click on the delete button. When you search for the name of the food, you can quickly see the food. When the Order Details button is clicked, the Business Class Order Details are displayed on a table. **Good practices**: ▪ There is a light blur background and food photos for easy identification ▪ Added the search button and total order details button ▪ There are separate tables for different dishes
	Picture of interface 3	**Brief description of interface 3**
		Purpose: This is used to first class food menu. **Flow**: Here is the first-class food menu. We can order a delicious meal. There are 3 food tits. If you want to add a food, when you click the add button, a forum will be filled. You can change the food we ordered by clicking on the Update button. You also need to fill out a form. If you want to cancel the ordered food, you need to click on the delete button. When you search for the name of the food, you can quickly see the food. When the Order Details button is clicked, the first-Class Order Details are displayed on a table. **Good practices**: ▪ There is a light blur background and food photos for easy identification ▪ Added the search button and total order details button ▪ There are separate tables for different dishes

	Picture of interface 4	Brief description of interface 4
		Purpose: This interface will be used to show the food order details table **Flow**: This table shows Total Food Order Details. You can get this table as a pdf by clicking on the genre report button. **Good practices**: ▪ food order details are set up with a separate background for easy identification. ▪ You must search the passenger's name to find the ordered food ▪ There is a generate report button to print food order details.

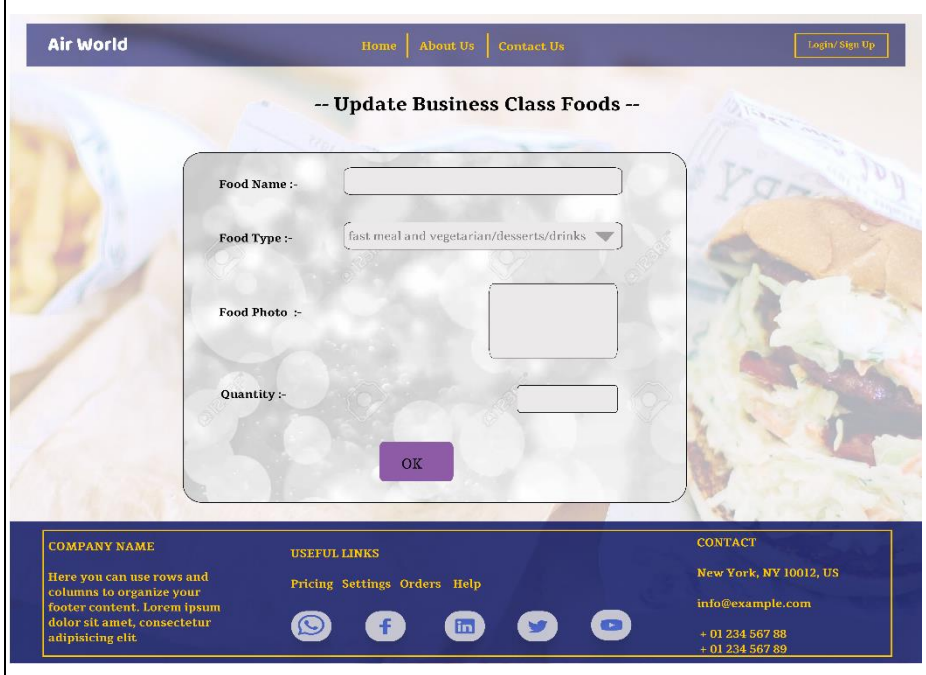
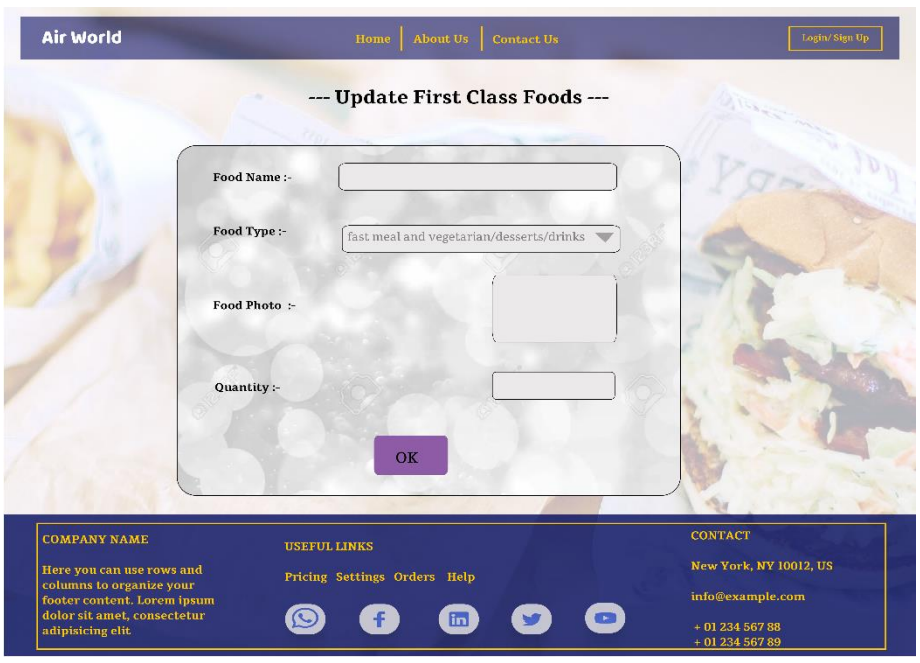
	Picture of the interface_5	Brief description of interface_5
		**Purpose**: Add business class foods. **Flow**: You need to fill this form to add a food in Business Class. After giving the name of the food, selecting the food type, uploading a photo of the food, adding the required quantity and clicking the ok button, a top up message like 'Added successfully' will appear. **Good practices**: ▪ When you click on the OK button, a top up message will appear saying "Added Successfully". ▪ There is a button to select the food type ▪ There is a light blur background for easy identification

Sprint 2

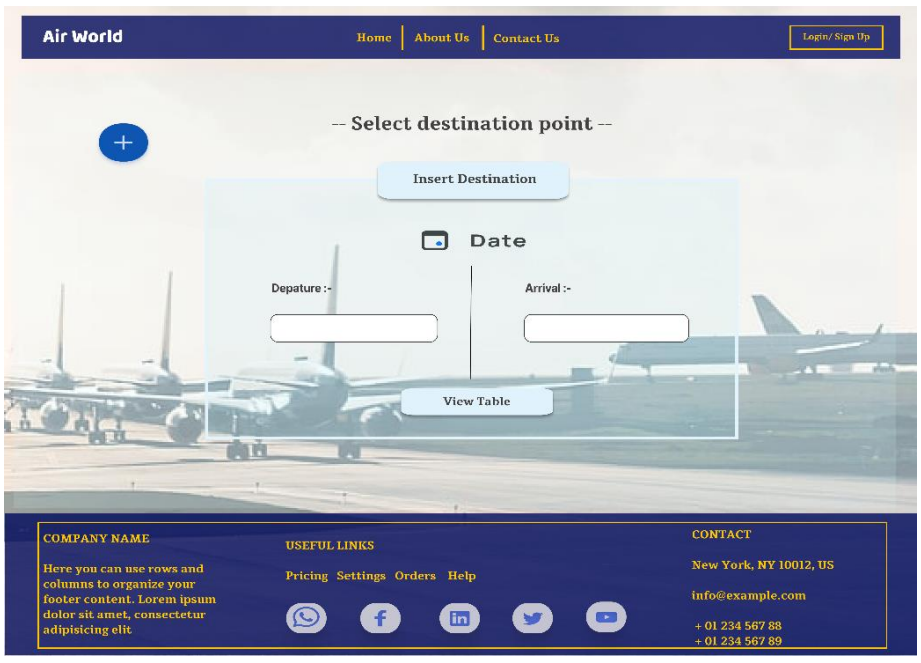
	Picture of the interface_6	Brief description of interface_6
		**Purpose**: Add first class foods. **Flow**: You need to fill this form to add a food in first Class. After giving the name of the food, selecting the food type, uploading a photo of the food, adding the required quantity and clicking the ok button, a top up message like 'Added successfully' will appear. **Good practices**: ▪ When you click on the OK button, a top up message will appear saying "Added Successfully". ▪ There is a button to select the food type ▪ There is a light blur background for easy identification

BSc (Hons) in Information Technology
Year 3
Assignment 1

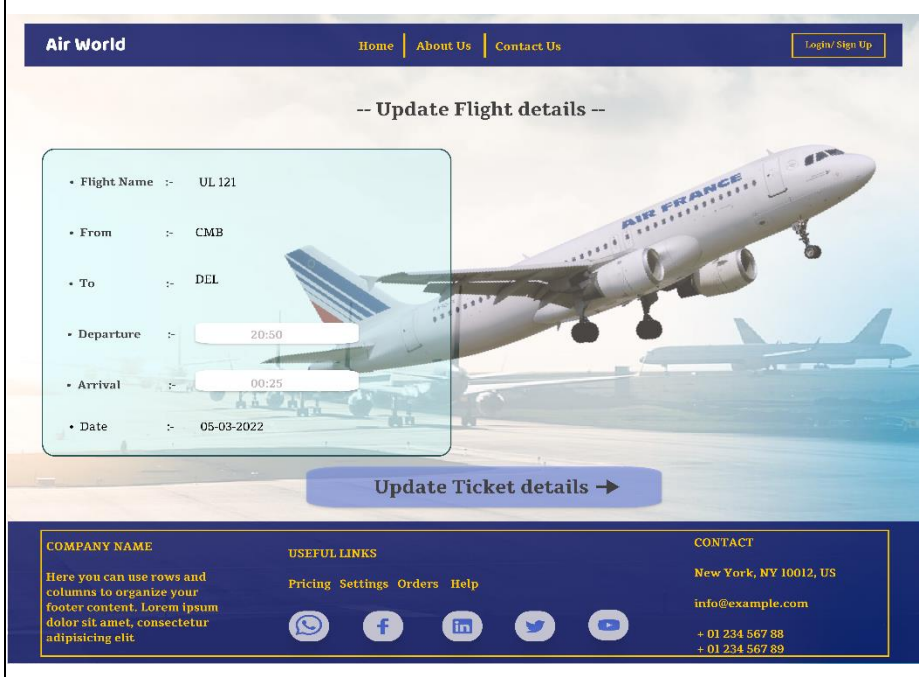
IT3040 – ITPM **Semester 1**

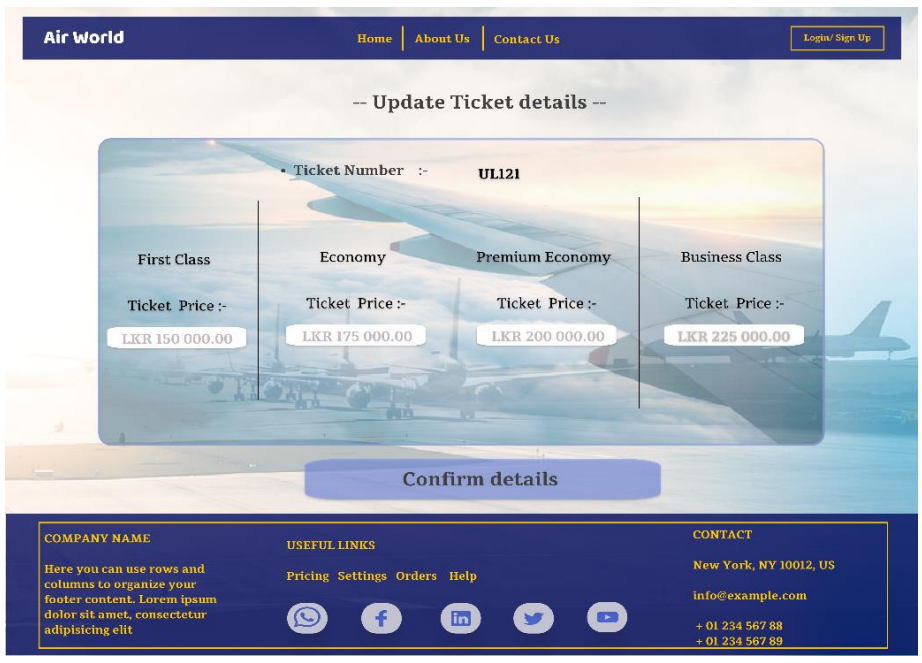
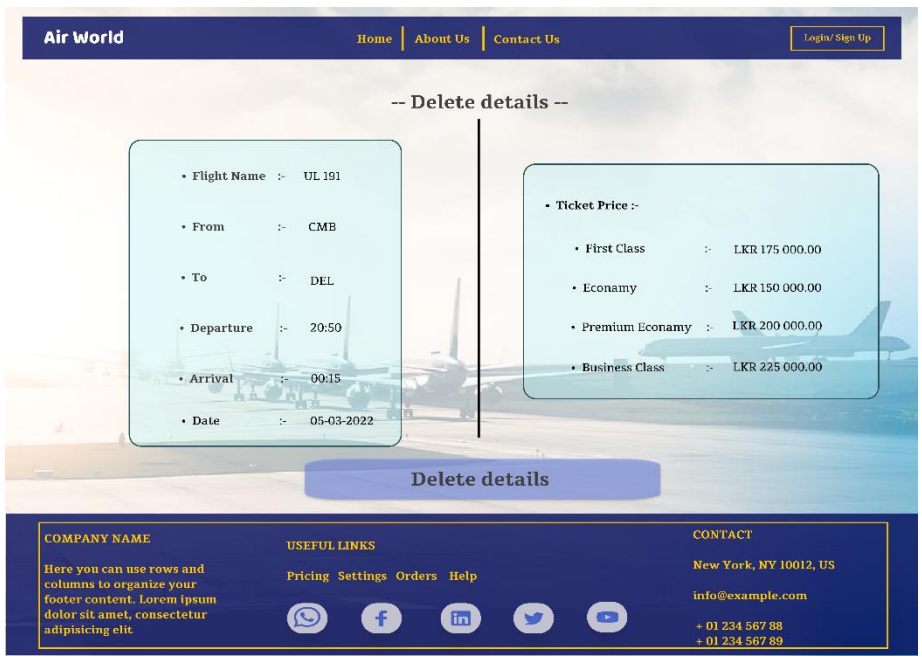
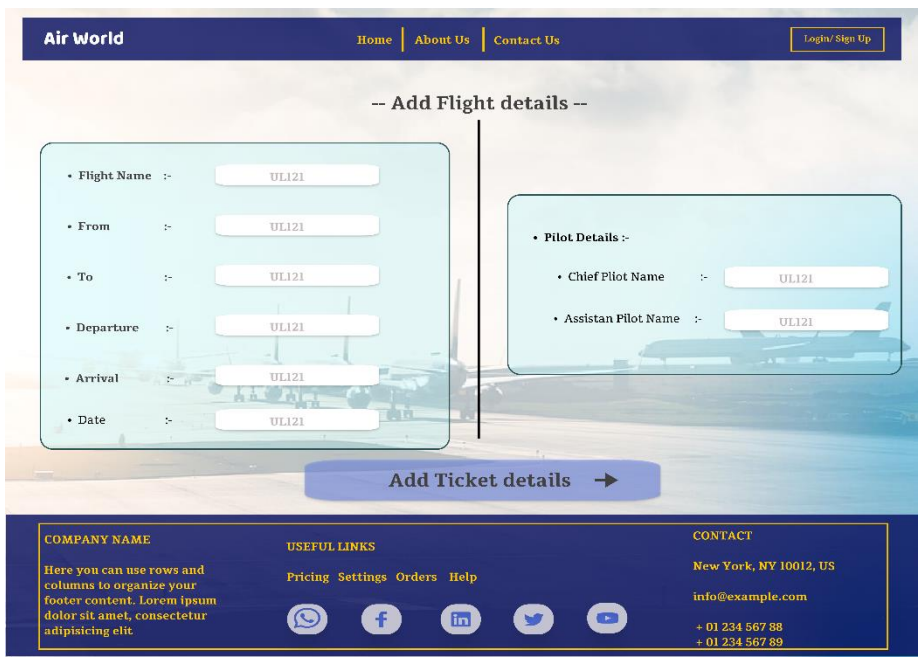
	Picture of the interface_7	Brief description of interface_7
		**Purpose**: Update business class foods. **Flow**: You need to fill this form to add a food in business Class. After giving the name of the food, selecting the food type, uploading a photo of the food, adding the required quantity and clicking the ok button, a top up message like 'Update successfully' will appear. **Good practices**: ▪ When you click on the OK button, a top up message will appear saying "Update Successfully". ▪ There is a button to select the food type ▪ There is a light blur background for easy identification
	Picture of the interface_8	**Brief description of interface_8**
		**Purpose**: Update first class foods. **Flow**: You need to fill this form to add a food in first Class. After giving the name of the food, selecting the food type, uploading a photo of the food, adding the required quantity and clicking the ok button, a top up message like 'Update successfully' will appear. **Good practices**: ▪ When you click on the OK button, a top up message will appear saying "Update Successfully". ▪ There is a button to select the food type. ▪ There is a light blur background for easy identification
Registration	**IT20426958**	
Student	**M K H K RANATHUNGA**	
Function(s) (Airline Flight Management)	**Sprint 1** • Select Destination Point • Flight Schedule • Update Flight Details • Update Tickets Details **Sprint 2** • Delete Details • Add Flight Details • Add Tickets Details	

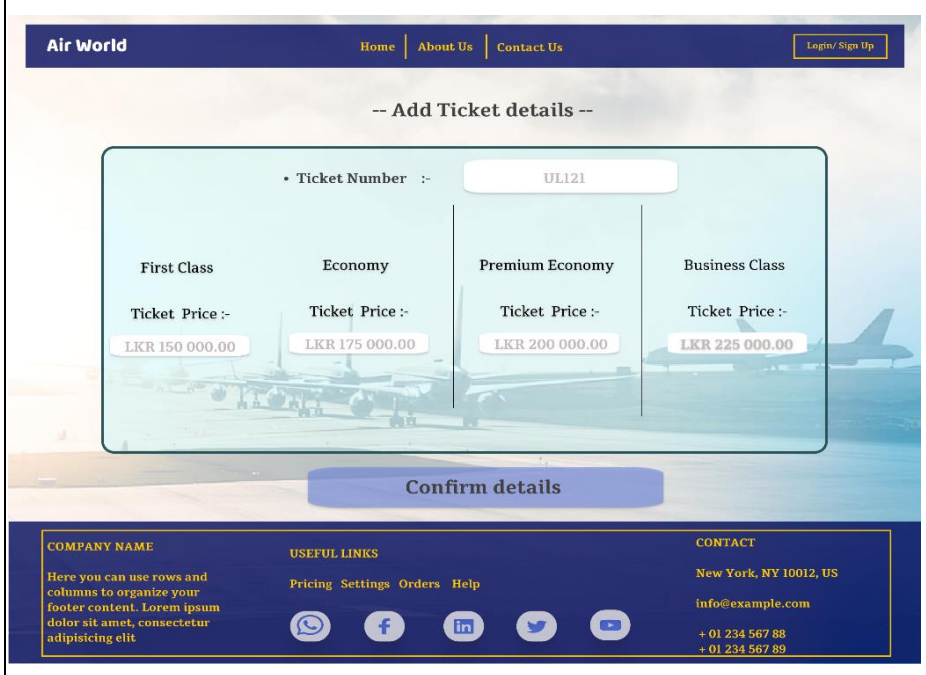
Sprint 1

Picture of interface 1	Brief description of interface 1
	**Purpose**: This interface is used to obtain the timetable inputted data **Flow**: This is the first page of the coming after the airline flight management admin login. If an admin wants to view a flight schedule for a particular day, select the date here, fill out this form and click the view table button to the view the information. **Good practices**: ▪ The labels were given meaningful names, and it was made sure that there are no spelling mistakes. ▪ Auto search will be done when typing the first letter of the county for ease of handling when booking tickets ▪ A calendar has been created to include the date.

Picture of interface 2	Brief description of interface 2
	Purpose: This interface can view the flight schedule. **Flow**: this page has flight details. If want to Update or delete flight details admin can use the update and delete buttons. When searching for a particular day in the search bar, admin can view the flight details for that day separately on this page. **Good practices**: ▪ The labels were given meaningful names, and it was made sure that there are no spelling mistakes. ▪ A search button is placed so that the flight details can be easily identified. ▪ The colors used for the buttons match exactly.

Picture of interface 3	Brief description of interface 3
	**Purpose**: This page allows to update flight details. **Flow**: After clicking the update button on the flight schedule page, you will be taken to this page. There an admin can update the departure and arrival. After changing that information as required, click the update ticket details button. Then that information will be updated. **Good practices**: ▪ Update details are set up with a separate background for easy identification. ▪ All update fields, the pattern for typing is displayed. ▪ The spelling is spelled correctly.

	Picture of interface 4	Brief description of interface 4
		**Purpose**: This page allows to update ticket details. **Flow**: After clicking the update ticket details button on the update flight details page, you will be taken to this page. Here you can change the ticket price. After modifying the information as required, click on the confirm details button. Then that information will be updated. Also, when the "confirm details" button is clicked, the updated information will be sent via email to the check book ticket and management admin. **Good practices**: ▪ When you click on the 'Confirm Details' button, a top up message will appear saying "Update Successfully". ▪ Details are set up with a separate background for easy identification. ▪ The labels were given meaningful names, and it was made sure that there are no spelling mistakes
	Picture of the interface_5	**Brief description of interface_5**
		**Purpose**: This page allows to delete details. **Flow**: Click on the delete button on the flight schedule page to access this page. Here you can see the relevant flight and ticket details and if you want to delete this information you need to click on the delete details button. Then that information will be deleted. **Good practices**: ▪ The labels were given meaningful names, and it was made sure that there are no spelling mistakes ▪ Flight details are set up with a separate background for easy identification. ▪ Display all details in deleting flight
Sprint 2	**Picture of the interface_6**	**Brief description of interface_6**
		**Purpose**: This page allows to add new flight details. **Flow**: After clicking the add button on the first page you will come to this page. After filling in the two forms here you have to click on the add ticket details button. Then that information will be added to the flight details. **Good practices**: ▪ All input fields, the pattern for typing is displayed. ▪ When you click on the 'Add Tickets Details' button, a top up message will appear saying "Added Successfully". ▪ It was made sure that there are no spelling mistakes.

	Picture of the interface_7	Brief description of interface_7
		**Purpose**: This page allows to add new ticket details **Flow**: Click on the add ticket details button on the add flight details page to access this page. Here it is possible to add a new ticket price. There are separate input fields for that. After adding that information, you must click on the confirm details button. Then that information will be added to the ticket details. **Good practices**: ▪ All input fields, the pattern for typing is displayed. ▪ Form details are set up with a separate background for easy identification. ▪ It was made sure that there are no spelling mistakes.