



**Sri Lanka Institute of Information Technology**

**Information Technology Project (IT2080)**

**Batch ID – Y2.S2.WD.IT.08**

**Group ID – ITP\_WD\_B08\_G12**

# **Solar Power Management System**

**Agile Activity Report**

## **Group Member Details**

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## **Project Introduction**

B Tech Solar Solutions Pvt Ltd is a newly opened electrical contracting company situated in Kottawa, Sri Lanka. the company is dedicated to providing quality electrical services and knows the importance of doing the job right the first time.

The company currently offer affordable solar installation options for commercial and residential properties, providing you with the latest technology and financial incentives. and also the company offers an amazing LED retrofit program that requires no upfront investment and starts saving money on day one. the company works hard to promote renewable energy and energy efficiency to create a better environment, increase sustainability and improve the local economy for everyone.

currently, the company runs a manual system where all the employees collaborate with physical data transfer techniques and databases. thus it has many operational issues as well as other management issues when performing front desk operations. our client is expecting to get the SRI LANKA SUSTAINABLE ENERGY AUTHORITY'S (SLSEA) approval in the near future. Hence having a computerized system will be beneficial to getting the approval. for the above-mentioned reasons, the client requires a computerized management system to be established in the company. From the proposed system we intend to develop the client's desires to Increase performance and manage all the operations in the company efficiently.

## IT21284120 – Rashmitha K.M

### Epic – Employee Management

Feature	User story ID	User Story	Tasks
Login to the system as manager	111	“As the employee manager, I want to login to the system to maintain the employee details. So that I can add new employee details to the system.”	<ol style="list-style-type: none"><li>1. Create login page.</li><li>2. Display login options.</li><li>3. Create database.</li><li>4. Validate login details</li></ol>
Insert, delete, update employee details.	112	“As the employee manager, I want to add, update or delete employee details of the system, so that I will be able to see all the employee details.”	<ol style="list-style-type: none"><li>1. Can edit or update additional employee details.</li><li>2. Display to enter the user details.</li><li>3. If an employee is resigning, can be delete details from the database.</li></ol>
View attendance details of all employees.	113	“As the employee manager, I want to view attendance details of the all employees, so that I can track the attendance of all the employees.”	<ol style="list-style-type: none"><li>1. View department.</li><li>2. View on / off.</li><li>3. View date and time</li></ol>
View employee leave details	114	“As the employee manager, I want to accept and reject leave requests by employees, so that I can manage the leave requests.”	<ol style="list-style-type: none"><li>1. Category of leave</li><li>2. Date</li><li>3. Time</li><li>4. Short leave</li></ol>
Login to the system as employee	115	“As an employee I should be able to see my own profile, so that I can manage my details.”	<ol style="list-style-type: none"><li>1. Display employee profile.</li><li>2. Update employee profile</li><li>3. Edit employee profile</li></ol>
Employee requested leave	116	“As an employee I can request a leave, so that I can get a leave.”	<ol style="list-style-type: none"><li>1. Leave category.</li><li>2. Reason</li><li>3. Date and time</li><li>4. Apply</li></ol>
Daily attendance of the employees	117	“As an employee I should be able to insert date, time and my Emp ID and submit. So that the manager can view those details whenever he/ she wants.”	<ol style="list-style-type: none"><li>1. Employee attendance (on/off)</li><li>2. Insert Emp ID</li></ol>

Log out from the system	118	“As a manager, I want to logout from the system, so that I can ensure the security of my account.”	<ol style="list-style-type: none"> <li>1. Create logout page.</li> <li>2. Create logout confirm page</li> </ol>
		“As a employee I can logout from the system, so that I can ensure the security of my account”	
Reset password	119	“As a manager I want to reset my password, so that I could reset my password if I forgot it.”	<ol style="list-style-type: none"> <li>1. Create a reset password page.</li> <li>2. Create reset password done page.</li> <li>3. Validate password.</li> <li>4. Update the users’ table</li> </ol>
		----- “As a employee I want to reset my password, so that I can reset my password if I forgot it.”	
Generate monthly attendance report	120	“As the employee manager, I want to generate monthly attendance report, so that I can send the attendance of all employees to the finance department to calculate the monthly salary of employees.”	<ol style="list-style-type: none"> <li>1. Create export buttons on necessary function pages.</li> <li>2. Create functions for generating reports.</li> </ol>

## IT21283062 – De Silva L.K.N.

### Epic – Repair Management

Feature	User story ID	User Story	Tasks
Login to the system	211	As the repair manager, I want to log into the system so that I can manage the service.	<ol style="list-style-type: none"><li>1. Create login page to manager.</li><li>2. Create connected database.</li><li>3. Implement validate login credentials</li></ol>
		As the customer, I want to log into system that I can fill repair request.	
Add new repair request details to system	212	As the repair manager, I need to add new repair request details to company database.	<ol style="list-style-type: none"><li>1. Create repair request form.</li><li>2. Save the details into system.</li></ol>
Assign repair service group to service	213	As repair manager, I want to assign repair groups to the requested services.	<ol style="list-style-type: none"><li>1. Implement to check group status function.</li><li>2. If group is available assign the work if not check next.</li><li>3. Create page to display information.</li></ol>
Calculate estimated cost for repairs	214	As the repair manager, I want to display the estimated cost to customer for referring.	<ol style="list-style-type: none"><li>1. Get the variables to calculate.</li><li>2. Create function to calculate cost.</li><li>3. Display the output to page.</li></ol>
Send details to customer and workers. Confirm the repair request	215	As repair manager, I want to send all details about repair request to customers and assigned workers.	<ol style="list-style-type: none"><li>1. Display the final form to manager.</li><li>2. Give command to add sending details.</li><li>3. Implement function to send emails.</li></ol>
		As the customer I need to confirm the repair request to receive service.	<ol style="list-style-type: none"><li>1. Create options to confirm or cancel the request.</li><li>2. Confirmation re-direct to system.</li></ol>
		As the assigned engineer group, we want to confirm the work to process the next step.	<ol style="list-style-type: none"><li>1. Create options to confirm or cancel the request.</li><li>2. Create method to notify the manager.</li></ol>

Assigned group submitted works done	216	As the engineer group, we need to confirm the activity that finalized.	<ol style="list-style-type: none"> <li>1. Create worksheet page to workers.</li> <li>2. Create work detail form.</li> <li>3. Save the details.</li> </ol>
Search repair request from ID	217	As the repair manager, I need to search some repair request form to more details.	<ol style="list-style-type: none"> <li>1. Create repair request forms page.</li> <li>2. Implement function to find searching ID form.</li> <li>3. Display the results.</li> </ol>
Update, delete request form details from the system	218	As the repair manager, I want to view, update and delete, when necessary, situation for better management.	<ol style="list-style-type: none"> <li>1. View the request form.</li> <li>2. Add options to create, update and delete the form.</li> <li>3. Save the changes properly.</li> </ol>
Generate monthly repair report	219	As the repair manager, I need to generate a repair management report of all repair service for analyses.	<ol style="list-style-type: none"> <li>1. Create function to get necessary details.</li> <li>2. Create generate monthly report function.</li> <li>3. Add option to download the report.</li> </ol>

## IT21255410 - Malwaththa M.A.G.I.

### Epic – Inventory Management

Feature	User story ID	User Story	Tasks
Login to the system as an inventory manager	311	“As an Inventory manager I have want a login system, then I can restrict the access for unauthorized users”	1.Create a model for the user 2.Create login page 3.display login options 4.create database 5.validate login details
Register on the system	312	“As a new Manager I want to register into the system, then I can access to the system”	1.Create a signup page 2.Create a registration form 3.validate form data 4.insert data into the database
User profile	313	“As an inventory manager I want to maintain my profile details”	1.Create a model for the profile 2.Create a profile page 3.Create a profile update page 4. Create a profile delete page 5.validate Updated Details 6.update the profile details in the database
Logout	314	“As an Inventory Manager, I want to logout from the system”, its Add more security to the system	1.Create a logout page 2.Create a Logout confirm page
Reset password	315	“As an Inventory Manager, if I forgot my password, I want to rest it”	1.Create a reset password page 2.Create reset Password Done page 3.Validate password 4.Update the Database
Inventory Manage	316	“As an Inventory Manager, I Have to Manage Inventory, when the supplier supplies goods”	1.Create an Inventory Model 2.Connect to the database 3.Create add Item form 4.Create an update Item form 5.Create add item page 6.Create an update item page 7.Create delete item page 8.create view item page 9.Validate forms 10.pass the Database value to the dashboard 11. Update the Tables in the database



Generate Reports	317	“As an Inventory Manager, I must generate a report to Manage Inventory System	1.Create Inventory function for generate a report
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## IT21277436– Jayasinghe K.W.

### Epic – Customer Management

Feature	User story ID	User Story	Tasks
Customer registration to the system	411	“As a customer, I want to register to the system so that I can give my personal information”	<ol style="list-style-type: none"><li>1. Creates a sign-up form and display to users</li><li>2. Allow users to enter their details</li><li>3. Store user details in the database and give login access</li></ol>
Customer login to the system	412	“As a customer, I want to login to the system so that I can create a project or purchase items”	<ol style="list-style-type: none"><li>1. Creates a login form and display to users</li><li>2. Allow user to enter login credentials</li><li>3. Validate login</li><li>4. Redirect user to the homepage with necessary permissions</li></ol>
Edit customer details	413	“As a customer, I want to edit personal details so that I can keep the profile updated”	<ol style="list-style-type: none"><li>1. Display user details on a webpage</li><li>2. Allows user to change details</li><li>3. Update database and display updated details</li></ol>
Delete customer details	414	“As a customer, I want to delete the account so that I can remove personal details from the system”	<ol style="list-style-type: none"><li>1. Provides a button to delete user profile</li><li>2. Confirm deletion by the user</li><li>3. Delete every record related to the user in the database</li></ol>
Search for a customer	416	“As a manager, I want to search customers so that I can check their details”	<ol style="list-style-type: none"><li>1. Provides a search area to enter name or mobile of a customer</li><li>2. Retrieve details from the database and display in a page</li></ol>
Print delivery details	417	“As an employee, I want to take a copy of customer delivery address so that I can print delivery address”	<ol style="list-style-type: none"><li>1. Provide a search area to enter customer name or mobile</li><li>2. Retrieves delivery address of the relevant customer from the database</li></ol>

			3. Provides a button to print delivery address
Print monthly customer report	418	“As a manager, I want to have a monthly customer report so that I have a count of how many customers registered to the system”	<ol style="list-style-type: none"> <li>1. Provides a calendar to select range of days</li> <li>2. Retrieve customer count for the specific date range given</li> <li>3. Display necessary details on the web page</li> <li>4. Provides a button to print details</li> </ol>

## IT21277504 – Padukka P.D.M.D.

### Epic – Finance Management

Feature	User story ID	User Story	Tasks
Log in to the system.	511	“As a customer, I want to log in to the system so I can buy items.”	<ol style="list-style-type: none"><li>1. Implement a login UI.</li><li>2. Validate login credentials.</li><li>3. Access the user database and retrieve details.</li><li>4. Direct user to the relevant page.</li></ol>
		“As a finance manager, I want to log in to the system so I can manage finance-related works.”	
Register to the system.	512	“As a finance manager, I want to register to the system so I can access the system.”	<ol style="list-style-type: none"><li>1. Implement a registration user interface.</li><li>2. Create a registration details form.</li><li>3. Validate form data.</li><li>4. Store details to the database.</li></ol>
Search for an item.	513	“As a customer, I want to search for a solar inverter.”	<ol style="list-style-type: none"><li>1. Create an input field to search for details.</li><li>2. Filter the items by the keyword.</li><li>3. Display the search items.</li></ol>
Add items to the cart.	514	“As a customer, I want to add a solar inverter to the cart.”	<ol style="list-style-type: none"><li>1. Display cart items.</li><li>2. Display Quotation and service charges.</li><li>3. Provide a pay button to pay for items.</li><li>4. Direct the user to the payment page.</li></ol>
Make a Payment.	515	“As a customer, I want to make a payment to buy a solar inverter.”	<ol style="list-style-type: none"><li>1. Display payment details form.</li><li>2. Validate the form details.</li><li>3. Save the details to the database.</li><li>4. Direct to bank payment gateway.</li></ol>

Manage employee salary.	516	“As a finance manager, I want to manage the salary and funds of the employees.”	<ol style="list-style-type: none"> <li>1. Create a salary and funds calculator.</li> <li>2. Add extra allowance based on performance.</li> <li>3. Save the salary details to the database.</li> <li>4. Create a function to retrieve the salary details from the database.</li> </ol>
Logout from the system.	517	“As a finance manager I want to logout from the system because it’s good for the security of the account.”	<ol style="list-style-type: none"> <li>1. Create function to logout from the system.</li> <li>2. Create a logout page.</li> </ol>
Generate monthly reports.	518	“As a finance manager, I want to generate a report of income details of the employees “	<ol style="list-style-type: none"> <li>1. Create functions for generating reports.</li> <li>2. Display the income history.</li> </ol>
View History.	519	“As finance manager, I want to view the income history of the company.”	<ol style="list-style-type: none"> <li>1. Create history pages.</li> <li>2. Create function to update and delete history.</li> </ol>

## IT21283994 – Athukorala P.D.

### Epic – Promotions and offers Management

Feature	User story ID	User Story	Tasks
Register to the system	611	“As the promotion manager, I want to register to the system, so that I can access to the system.”	<ol style="list-style-type: none"><li>1. Create a registration page.</li><li>2. Store details in the database and give login access.</li></ol>
Log in to the system as an employee	612	“As a promotion manager, I want to log in to the system, so that I can manage promotions and offers details.”	<ol style="list-style-type: none"><li>3. Create login page.</li><li>4. Validate login details.</li><li>5. Redirect to the promotions and offers page.</li></ol>
Edit promotions and offers details	613	“As the promotion manager, I want to edit promotions and offers details, so that I can keep the promotions and offers details updated.”	<ol style="list-style-type: none"><li>1. Display promotions and offers details on web page.</li><li>2. Provide buttons to add, update and delete promotion details.</li><li>3. Allow to change details.</li><li>4. Update database and display updated details on web page.</li></ol>
Send an e-mail to registered customers	614	“As the promotion manager, I want to send an e-mail to registered customers about current promotions and offers details, so that customers can get an idea about promotions and offers.”	<ol style="list-style-type: none"><li>1. Make a document with current promotion details.</li><li>2. Get newly registered customers details.</li><li>3. Send an e-mail with that document to registered customers.</li></ol>
Log in to the system as a customer	615	“As a customer, I want to log in to the system, so that I can see and buy products.”	<ol style="list-style-type: none"><li>1. Create login page.</li><li>2. Validate login details.</li><li>3. Redirect to the homepage.</li></ol>
Buy products with adding promotions and offers	616	“As a customer, I want to buy products with adding offers, so that I can get some discounts.”	<ol style="list-style-type: none"><li>1. Provide a button to buy product.</li><li>2. Add the items to the cart with adding discounts.</li></ol>
Search promotions and offers	167	“As a customer, I want to search promotions and offers by item codes, so that I can know about availability of promotions at required products.”	<ol style="list-style-type: none"><li>1. Provide a search bar to search promotion details by item code.</li></ol>
Generate monthly sales report with	618	“As the promotion manager, I want to generate monthly sales report	<ol style="list-style-type: none"><li>2. Add button to generate monthly report to the relevant web page.</li></ol>

promotions and offers		after adding discounts, so that I can get an idea about boosted sales.”	3. Provide an option to download the report.
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## IT21281846 – Hapuarachchi T.L.

### Epic – Project Management

Feature	User Story ID	User Story	Tasks
Login to the administration system	711	“As the project manager I want to log into the system so that I can manage all projects tasks”	1. Create login page 2. Create login form 3. Create relevant table in database 4. Validate login credentials
Update Administration login Credentials	712	“As the project manager I want update login credentials so that I can maintain project securely”	1. Add a button to reset password in the admin profile 2. Create a Password reset page 3. Create a form to add new password 4. Implement a function to Save new password in the Database
Search Project	713	“As the project manager I want to search so that I can check finished projects, ongoing projects, and progress of project.”	1. Create Search field and filter tabs 2. Create function for operate search 3. Create a page to display ongoing and finished project clearly
View Project	714	“As the project Manager I want to View project so that I can check project details”	1. Create a page to display project details 2. Display all project details to relevant project.
Update Project Details	715	“As the project Manager I want to update project detail so that I can add new details about project”	1. Display the Current project Details 2. Provide an edit Button to Update 3.Updating the changes of project on the System.



Delete Project	716	“As the project Manager I want to delete unwanted project a so that I can avoid unnecessary complications”	<ol style="list-style-type: none"> <li>1. Display the Relevant project</li> <li>2. Provide a delete button to Delete</li> <li>3. Delete Complete project from the system</li> </ol>
Add New Projects	717	“As the project Manager I want to add new project so that I can add new projects and details to the system”	<ol style="list-style-type: none"> <li>1. Create an Add New Button to add a new project</li> <li>2.Create a new page and form to add details</li> <li>3. Add a new project and its detail to the database</li> </ol>
Generate Monthly Report	718	“As the project Manager I want to Generate report end of month so that I can send analyzed full report to Manager and another basic report to customer”	<ol style="list-style-type: none"> <li>1. Represent finished project ongoing project and their progress and details.</li> <li>2. Add options to Send this full project to the manager</li> <li>3. Add another option to Send basic project details about relevant project for customer</li> </ol>

## IT21267536 – Waduge T.R.

### Epic – Transport Management

Feature	User story ID	User Story	Tasks
Login to System	811	“As a Transport Manager I want to To login to system so that I can manage all tasks of the order delivery process.”	<ol style="list-style-type: none"><li>4. Implement login function.</li><li>5. Validate login credentials of transport manager.</li><li>6. Access user data base and retrieve manager details.</li><li>7. Implement the log out function.</li></ol>
Manage delivery vehicles.	812	“ As a Transport manager I want to add a new delivery vehicle to the system so that I can quickly update newly added vehicles.”	<ol style="list-style-type: none"><li>1. Create an interface to display registered vehicles</li><li>2. Provide an option to register new vehicle.</li><li>3. Update details of registered vehicles.</li><li>4. Delete registered vehicles.</li><li>5. Provide an option to search vehicle details by vehicle id.</li><li>6. Provide an option to generate and download report of registered delivery vehicle.</li></ol>
Distributing orders for delivery.	813	“ As a Transport manager I want to prepare orders for delivery so that I can generate incremental orders.”	<ol style="list-style-type: none"><li>1. Give an option to choose between retail orders and wholesale orders.</li><li>2. Create an interface to display the list of pending deliveries.</li><li>3. Provide an option to sort the orders according to delivery town.</li><li>4. Assign delivery vehicles to the orders.</li></ol>

Calculate packing and delivery cost.	814	“ As a Transport manager I want to change the delivery cost assigned per kilometers so that I can match with current fuel cost”	<ol style="list-style-type: none"> <li>1. Provide an interface to display current delivery and packing cost rate.</li> <li>2. Provide an option to update the costs.</li> <li>3. Implement the function to assign the delivery charges according to package weight and delivery region.</li> <li>4. Apply updated cost.</li> </ol>
View an update order status.	815	“ As a transport manager I want to update the order status after completing a delivery so that I can confirm with the customer that the order is delivered successfully”	<ol style="list-style-type: none"> <li>1. Create an interface to display order status.</li> <li>2. Track the dispatched order.</li> <li>3. Conform product delivery and update delivery status.</li> <li>4. Display the order status.</li> </ol>
Generate monthly report of deliveries.	816	“As a Transport manager I want to generate a report of all deliveries within the month so that I can analyses them.	<ol style="list-style-type: none"> <li>1. Represent the details of monthly deliveries.</li> <li>2. Provide an option to filter details and represent them in chart.</li> <li>3. Add an option to download reports.</li> </ol>
Login to system	817	“As a delivery person I want to login to system so that I can to manages all tasks that I have.”	<ol style="list-style-type: none"> <li>1. Implement the login function.</li> <li>2. Validate the login credentials of delivery person.</li> <li>3. Implement the logout function.</li> </ol>
View assign tasks.	818	“As a delivery person I want to view what are the tasks assign for me so that I can manages all tasks that I assigned.”	<ol style="list-style-type: none"> <li>1. Provide an interface to view assign deliveries.</li> <li>2. Provide an option view details of deliveries by searching delivery ID.</li> </ol>
Send notification.	819	“ As a delivery person I want to send notification to transport manager after completing delivery	<ol style="list-style-type: none"> <li>1. Provide an interface to fill details after delivering the order.</li> <li>2. Provide an option to</li> </ol>

		so that I can inform transport manager delivery is done”.	send these details to transport manager.
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## Product Backlog

### Priority Scale

1. Highest priority
2. Normal priority
3. Less Priority

Order ID	User Story ID	User Story	Estimated Hours	Priority	Status
	111	"As the employee manager, I want to login to the system to maintain the employee details. So that I can add new employee details to the system."	01	2	To be started
	112	"As the employee manager, I want to add, update or delete employee details of the system, so that I will be able to see all the employee details."	03	1	To be started
	113	"As the employee manager, I want to view attendance details of the all employees, so that I can track the attendance of all the employees."	03	3	To be started
	114	"As an employee I should be able to see my own profile, so that I can manage my details."	01	1	To be started
	115	"As an employee I can request a leave, so that I can get a leave."	04	1	To be started
	116	"As an employee I should be able to insert date, time and my Emp ID and submit. So that the manager can view those details whenever he/ she wants."	06	2	To be started
	117	"As a manager, I want to logout from the system, so that I can ensure the security of my account." <hr/> "As a employee I can logout from the system, so that I can ensure the security of my account"	04	2	To be started

	118	<p>“As a manager I want to reset my password, so that I can reset my password if I forgot it.”</p> <p>“As a employee I want to reset my password, so that I can reset my password if I forgot it.”</p>	03	3	To be started
	119	“As the employee manager, I want to generate monthly attendance report, so that I can send the attendance of all employees to the finance department to calculate the monthly salary of employees.”	03	3	To be started
	211	“As the repair manager, I want to log into the system so that I can manage the service.”	01	2	To be started
	212	“As the customer, I want to log into system that I can fill repair request.”	01	2	To be started
	213	“As the repair manager, I need to add new repair request details to company database.”	02	2	To be started
	214	“As repair manager, I want to assign repair groups to the requested services.”	02	1	To be started
	215	“As the repair manager, I want to display the estimated cost to customer for referring.”	02	2	To be started
	216	“As repair manager, I want to send all details about repair request to customers and assigned workers.”	02	1	To be started
	217	“As the customer I need to confirm the repair request to receive service.”	01	1	To be started
	218	“As the assigned engineer group, we want to confirm the work to process the next step.”	01	2	To be started
	219	“As the engineer group, we need to confirm the activity that finalized.”	02	3	To be started
	220	“As the repair manager, I need to search some repair request form to more details.”	01	3	To be started
	221	“As the repair manager, I want to view, update and delete, when necessary, situation for better management.”	02	2	To be started
	222	“As the repair manager, I need to generate a repair management report of all repair service for analyses.”	02	3	To be started
	311	“As an Inventory manager I have want a login system, then I can restrict the access for unauthorized users”	02	2	To be started
	312	“As a new Manager I want to register into the system, then I can access to the system”	01	2	To be started

	313	"As an inventory manager I want to maintain my profile details"	01	3	To be started
	314	"As an Inventory Manager, I want to logout from the system", its Add more security to the system	02	2	To be started
	315	"As an Inventory Manager, if I forgot my password, I want to rest it"	01	3	To be started
	316	"As an Inventory Manager, I Have to Manage Inventory, when the supplier supplies goods"	02	2	To be started
	317	"As an Inventory Manager, I must generate a report to Manage Inventory System"	03	3	To be started
	411	"As a customer, I want to register to the system so that I can give my personal information"	01	2	To be started
	412	"As a customer, I want to login to the system so that I can create a project or purchase items"	04	2	To be started
	413	"As a customer, I want to edit personal details so that I can keep the profile updated"	02	3	To be started
	414	"As a customer, I want to delete the account so that I can remove personal details from the system"	03	3	To be started
	415	"As a manager, I want to search customers so that I can check their details"	03	3	To be started
	416	"As an employee, I want to take a copy of customer delivery address so that I can print delivery address"	02	3	To be started
	417	"As a manager, I want to have a monthly customer report so that I have a count of how many customers registered to the system"	04	3	To be started
	418	"As a customer, I want to log in to the system so I can buy items."	01	2	To be started
	511	"As a finance manager, I want to log in to the system so I can manage finance-related works."	01	2	To be started
	512	"As a finance manager, I want to register to the system so I can access the system."	02	2	To be started
	513	"As a customer, I want to search for a solar inverter."	02	3	To be started
	514	"As a customer, I want to add a solar inverter to the cart."	06	2	To be started
	515	"As a customer, I want to make a payment to buy a solar inverter."	02	1	To be started

	517	"As a finance manager, I want to manage the salary and funds of the employees."	03	1	To be started
	518	"As a finance manager I want to logout from the system because it's good for the security of the account."	01	2	To be started
	519	"As a finance manager, I want to generate a report of income details of the employees "	04	3	To be started
	520	"As finance manager, I want to view the income history of the company."	02	3	To be started
	611	"As the promotion manager, I want to register to the system, so that I can access to the system."	01	2	To be started
	612	"As a promotion manager, I want to log in to the system, so that I can manage promotions and offers details."	02	2	To be started
	613	"As the promotion manager, I want to edit promotions and offers details, so that I can keep the promotions and offers details updated."	03	3	To be started
	614	"As the promotion manager, I want to send an e-mail to registered customers about current promotions and offers details, so that customers can get an idea about promotions and offers."	03	3	To be started
	615	"As a customer, I want to log in to the system, so that I can see and buy products."	02	2	To be started
	617	"As a customer, I want to buy products with adding offers, so that I can get some discounts."	04	1	To be started
	618	"As a customer, I want to search promotions and offers by item codes, so that I can know about availability of promotions at required products."	03	3	To be started
	619	"As the promotion manager, I want to generate monthly sales report after adding discounts, so that I can get an idea about boosted sales."	04	3	To be started
	711	"As the project manager I want to log into the system so that I can manage all projects tasks"	02	2	To be started
	712	"As the project manager I want update login credentials so that I can maintain project securely"	03	2	To be started
	713	"As the project manager I want to search so that I can check finished projects, ongoing projects, and progress of project."	04	3	To be started



	714	"As the project Manager I want to View project so that I can check project details"	02	3	To be started
	715	"As the project Manager I want to update project detail so that I can add new details about project"	05	2	To be started
	716	"As the project Manager I want to delete unwanted project a so that I can avoid unnecessary complications"	03	3	To be started
	717	"As the project Manager I want to add new project so that I can add new projects and details to the system"	03	2	To be started
	718	"As the project Manager I want to Generate report end of month so that I can send analyzed full report to Manager and another basic report to customer"	04	3	To be started
	719	"As a Transport Manager I want to To login to system so that I can manage all tasks of the order delivery process."	01	2	To be started
	811	" As a Transport manager I want to add a new delivery vehicle to the system so that I can quickly update newly added vehicles."	03	2	To be started
	812	" As a Transport manager I want to prepare orders for delivery so that I can generate incremental orders."	04	3	To be started
	813	" As a Transport manager I want to change the delivery cost assigned per kilometers so that I can match with current fuel cost"	03	1	To be started
	814	" As a transport manager I want to update the order status after completing a delivery so that I can confirm with the customer that the order is delivered successfully"	02	2	To be started
	815	"As a Transport manager I want to generate a report of all deliveries within the month so that I can analyses them."	04	3	To be started
	816	"As a delivery person I want to login to system so that I can to manages all tasks that I have."	03	2	To be started
	817	"As a delivery person I want to view what are the tasks assign for me so that I can manages all tasks that I assigned."	03	3	To be started
	818	" As a delivery person I want to send notification to transport manager after completing delivery so that I can inform transport manager delivery is done".	04	3	To be started

## 1<sup>st</sup> Sprint

Priority	Product Backlog Item	Tasks	User Story ID	Est.Hours	Owner
1	Create database.	Create employee table.	110	01	IT21284120
		Create repair items table.		01	
		Create Inventory table.		01	
		Create customer table.		01	
		Create finance table.		01	
		Create promotions and offers table.		01	
		Create Project table.		01	
		Create transport table.		01	
1	Insert, delete, update employee details.	Can edit or update additional employee details.	112	01	IT21284120
		If an employee is resigning, can be delete details from the database.		01	
		Display to enter the user details.		0.5	
1	Add new repair request details to system.	Create repair request form.	212	01	IT21283062
		Save the details into system.		01	
1	Assign repair service group to service.	Implement to check group status function.	213	01	IT21283062
		If group is available assign the work if not check next.		0.5	
		Create page to display information.		01	
1	Inventory Manage.	Create an Inventory Model.	316	01	IT21255410

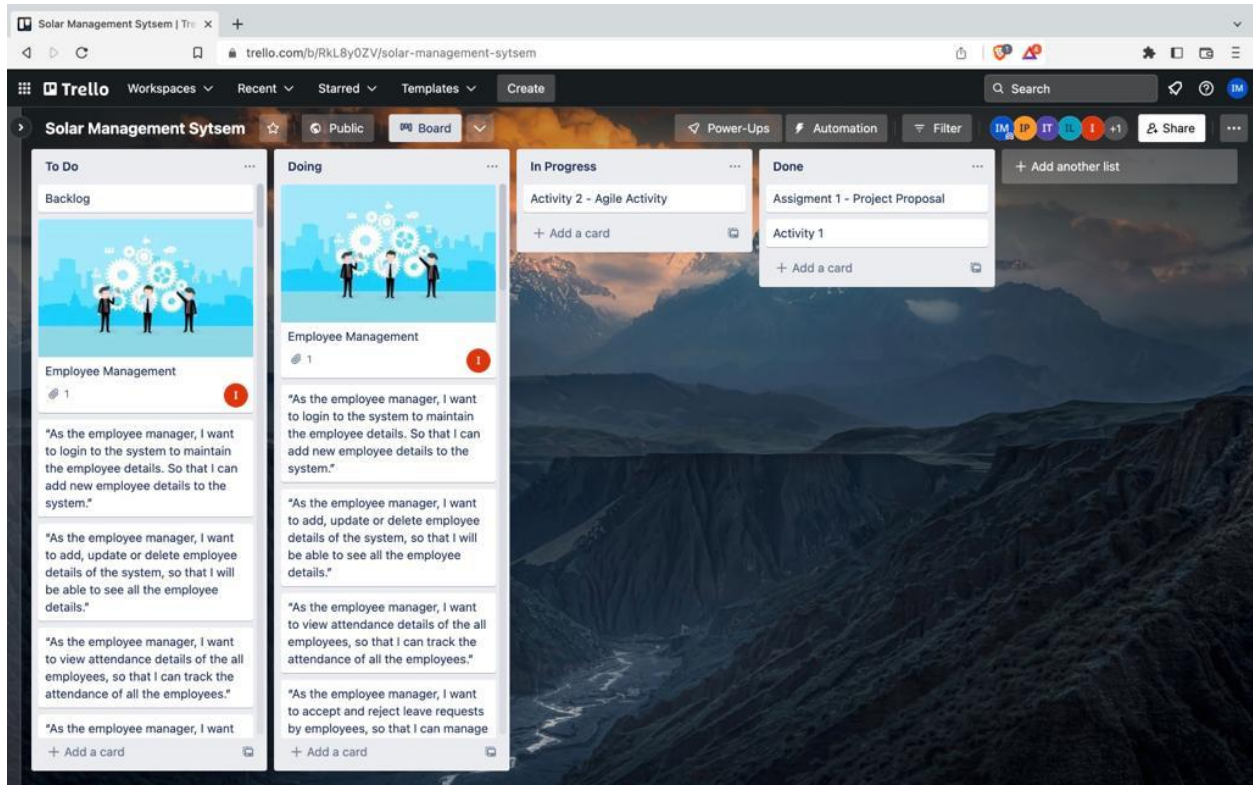
		Connect to the database.		01	
		Create add item form.		0.5	
		Create an update Item form.		01	
		Create add item page.		0.5	
		Create an update item page.		01	
		Create delete item page.		01	
		create view item page.		01	
		Validate forms.		01	
		pass the Database value to the dashboard.		01	
		Update the Tables in the database.		01	
1	Generate Reports.	Create Inventory function for generate a report.	317	01	IT21255410
1	Edit customer details	Display user details on a webpage.	413	0.5	IT21277436
		Allows user to change details.		01	
		Update database and display updated details		01	
1	Delete customer details	Provides a button to delete user profile.	414	01	IT21277436
		Confirm deletion by the user.		01	
		Delete every record related to the user in the database.		01	
1	Search for an item.	Create an input field to search for details.	513	01	IT21277504
		Filter the items by the keyword.		02	

		Display the search items.		01	
1	Add items to the cart.	Display cart items.	514	01	IT21277504
		Display Quotation and service charges.		01	
		Provide a pay button to pay for items.		0.5	
		Direct the user to the payment page.		01	
1	Edit promotions and offers details	Update database and display updated details on web page.	613	01	IT21283994
		Provide buttons to add, update and delete promotion details.		01	
		Allow to change details.		01	
		Update database and display updated details on web page.		01	
1	Send an e-mail to registered customers	Make a document with current promotion details.	614	0.5	IT21283994
		Get newly registered customers details.		01	
		Send an e-mail with that document to registered customers.		01	
1	Search Project	Create Search field and filter tabs.	713	01	IT21281846
		Create function for operate search.		02	

		Create a page to display ongoing and finished project clearly		0.5	
1	View Project	Create a page to display project details.	714	01	IT21281846
		Display all project details to relevant project.		01	
1	Manage delivery vehicles.	Create an interface to display registered vehicles.	812	01	IT21267536
		Provide an option to register new vehicle.		01	
		Update details of registered vehicles.		01	
		Delete registered vehicles.		0.5	
		Provide an option to search vehicle details by vehicle id.		01	
		Provide an option to search vehicle details by vehicle id.		01	
1	Distributing orders for delivery.	Give an option to choose between retail orders and wholesale orders.	813	0.5	IT21267536
		Create an interface to display the list of pending deliveries.		01	
		Provide an option to sort the orders according to delivery town.		01	

		Assign delivery vehicles to the orders.		01	
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# Kanban Board



<https://trello.com/b/RkL8y0ZV/solar-management-sytsem>