

# Tasks per User Story

Within this assignment we have assigned one story point to equal one hour of work.

**Perspective:** *The store manager*

**User Story:** As a store manager I want to display loss statistics against time (day, week, month).

Tasks	Appointed Story points
Read in and process the data into a code-usable data object	2
Implement data visualization at the front end based on time	5

**User Story:** As a store manager, I want to estimate the value of the lost items over a period of time.

Tasks	Appointed Story points
Extract the prices of the stolen items from the database (Query)	1
Display the data in object formats	2
Create a visual representation (graph) of the relation between the product prices and the number of times it was stolen	5

**User Story:** As a store manager, I want to log into the system to see data for my specific store.

Tasks	Appointed Story points
Create a login page	2
Encrypt passwords	1
Verify the user using his/her password and username [email address]	2

**User Story:** As a store manager I don't want other store managers to see statistics about my store.

Tasks	Appointed Story points
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Create a login page	2
Encrypt passwords	1
Verify the user using his/her password and username [email address]	2

**Perspective:** *The division manager*

**User Story:** As a division manager, I want to see the data of all stores in my district.

Tasks	Appointed Story points
A visual representation (map) of all the stores in my district	7
Access to everything that individual stores managers have access to [Back-end]	3

**User Story:** As a division manager, I want to identify the areas more susceptible to theft.

Tasks	Appointed Story points
Extract the relevant data (Query)	2
Represent the data in a table form with the store name and the frequency of RFID alarms	3

**User Story:** As a division manager, I want to log into my appropriate division stores and their data.

Tasks	Appointed Story points
Create a login page	2
Encrypt passwords	1
Verify the user using his/her password and username [email address]	2

**User Story:** As a division manager, I want to see the statistics regarding all the stores and order them by the statistics.

Tasks	Appointed Story points
Create a visual representation of the plain data on the front-end side	3
Create filtering options	5
[optional] implement a predicting visualization	8

**User Story:** As a division manager, I want to see the insights of a specific store within my division.

Tasks	Appointed Story points
Create a linking table between the manager and specific store based on the store id	2
Extract the data related to a specific store based on the id	1
Create a visual representation (table) that contains the average statistics for that store	3
Show a visual representation (graph) that gives insights into more specific features (as the store manager)	2

**Perspective:** *The Loss Prevention manager*

**User Story:** As a Loss Prevention Manager, I want to identify and quantify losses from the data insight so as to formulate a loss prevention strategy.

Tasks	Appointed Story points
Extract data w.r.t the user-specified filter and process it into an object form	2
Display the data in form of a table	1

**User Story:** As a Loss Prevention Manager, I want to be able to generate a “loss report” - a PDF containing all the losses from a given period, with data such as type of item and exact time of loss.

Tasks	Appointed Story points
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Extract the Article IDs and time of loss that was 'lost' across a period of time (week/quarter)	5
Make a nice table	3

**User Story:** As a Loss Prevention Manager, I want to be able to identify items that are more sensitive to theft.

**Appointed Story Points: 5**

**User Story:** As a Loss Prevention Manager, I want to put all the events on a map.

Tasks	Appointed Story points
Implement data visualization at the front end based on location	5
Query database for the given stores	1
Filter and sort on given parameters	3

**User Story:** As a Loss Prevention Manager, I want to see the distribution of the stolen items based on price for specific regions. (5)

Tasks	Appointed Story points
Data visualization	5

**User Story:** As a Loss Prevention Manager, I want to see what regions are more prone to shoplifting.

Tasks	Appointed Story points
Extract the data of the individual stores	1
Process the given data (averages)	1
Implement data visualization at the front end based on location	3

**User Story:** As a Loss Prevention Manager, I want to see a prediction of what might be the highlights of the upcoming months (Loss predictions).

Tasks	Appointed Story points
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Set up machine learning algorithm (WEKA) <b>[back-back-end]</b>	13
Create an interface that allows selecting a time frame of the prediction <b>[front end]</b>	3

**User Story:** As a Loss Prevention Manager, I want to see a ratio between the number of employees working at a specific time and the shoplifting rate.

Tasks	Appointed Story points
Implement a database for staff and their schedules	3
Query the database	2
Visually represent the data using a graph (3)	3

**User Story:** As a system administrator, I want to be able to update the database with new data.  
**Appointed Story Points: 2**

**User Story:** As a system administrator, I want to be able to add or remove stores at client requests.

Tasks	Appointed Story points
Cascade delete/archive in the database	2

**User Story:** As a system administrator, I want to be able to add new users to the system.

Tasks	Appointed Story points
Add new log-in credentials (username & password) to the database at the client's request.	2
Add permissions to specific user types (managers, users, etc.. → Permissions: Stores, access, etc..)	2

**User Story:** As a system administrator, I want to be able to modify the permissions and roles of the users.

**Appointed Story Points: 2**

**User Story:** As a system administrator, I want to be able to export the data to a readable format file.

Tasks	Appointed Story points
Download all of the data and put them in a data object	5
Parse the data object to a data file	3
Create a visualization of the data (Tableau integration/React-vis integration)	5

**User Story:** As a system, I need to ensure that the data and the functionality are securely operated on.

**Appointed Story Points: 5**