

SCHOOL OF ELECTRICAL & INFORMATION ENGINEERING, UNIVERSITY OF THE  
WITWATERSRAND, PRIVATE BAG 3, 2050, JOHANNESBURG, SOUTH AFRICA

---

## Sprint Backlog

---

April 10, 2016

# 1 SCRUM

## 1.1 SPRINT BACKLOG

Table 1.1: Sprint backlog

ID	Story	Sprint backlog tasks	Date
1	As a sender I need to be able to create an account	Create a django project	21/03/2016
		Design database structure	21/03/2016
		Create databases	22/03/2016
		Link page to the django server	22/03/2016
		Save user account details in the database	23/03/2016
		Make a form where clients are able to create their accounts	23/03/2016
2	As a sender I need to be able to log in to my account	Make a log in page	24/03/2016
		Save log in details of senders in database	24/03/2016
3	As a sender I need to input the dimensions of my package	The user is required to fill in the dimensions of their package.	25/03/2016
		Send the package dimensions to the packing algorithm	25/03/2016
4	As a sender I want to input my details	Make a form where the sender can enter their details	26/03/2016
		Store the sender's details in the database	26/03/2016
5	As a sender I want to input the receiver's details	Make a form where the sender can enter the receiver's details	27/03/2016
		Store the receiver's details in the database	27/03/2016
6	As a sender I need to be able to pay for the services	Update the accounts and payments databases	28/03/2016
		Authorise the user's packages for transport	28/03/2016
		Create a payment page for the user	29/03/2016
7	As a fleet assignment manager I need to be able run a route generation algorithm	Have a button that allows the manager to run the route allocation algorithm	29/03/2016
8	As a fleet assignment manager I need to see a list of packages in the depot	Display a list of all the packages that are at the depot that need to be allocated routes	30/03/2016

Table 1.2: Sprint backlog continued

ID	Story	Sprint Backlog Tasks	Date
9	As a driver I should be able to log in to my account	Make a driver list in the database	31/03/2016
		Implement code to facilitate logging in by drivers	31/03/2016
10	As a driver I want to pick a vehicle and a route	Implement route assigning algorithm	01/04/2016
		Implement packing algorithm	01/04/2016
		Implement a google map using the google maps API on the driver interface	02/04/2016
		Implement a checklist of all items on the driver's route on the driver interface	02/04/2016
		Display contact details of client on web page	03/04/2016
		Implement a checklist option to choose between routes on the before page of the driver interface	03/04/2016
11	As a driver I need to see the contact details of my next delivery / pickup	Display the contact details of current pickup/ delivery	04/04/2016
12	As a driver I want to check off the packages I drop off / pickup	Implement a checklist for the packages on the driver's interface	04/04/2016
13	As a sender I need to know when the parcel will be picked up	Implement code to calculate the estimated time of pickup	05/04/2016
		Display the value of the calculated time of pickup on the sender interface	06/04/2016
14	As a sender I need to be able to know when the package will be delivered	Calculate the ETA when the payment, and allocation of a package has been made	06/04/2016
		Send the user a notification with the ETA	07/04/2016
		Update the ETA on the user's interface	08/04/2016
15	As a receiver I need to receive a notification of the intended delivery	Implement code to send a notification when the ETD has been calculated	09/04/2016

Table 1.3: Sprint backlog continued

ID	Story	Sprint backlogs	Date
16	As a receiver I need to check the estimated time of delivery	Display the ETD when it has been calculated	10/04/2016
17	As the CEO I want to see statistics on the clients	Calculate all the statistics on clients	11/04/2016
		Display the statistics on the CEO interface	11/04/2016
18	As the CEO I want to see statistics on the drivers	Calculate all the statistics on drivers	12/04/2016
		Display the statistics on the CEO interface	12/04/2016
19	As the Vehicle Maintenance Manager I want to see vehicle statistics such as mileage	Implement an algorithm that computes vehicle statistics	13/04/2016
		Display the results of the algorithm	13/04/2016
20	As the Vehicle Maintenance Manager I want to schedule the maintenance of vehicles	Implement an algorithm that computes the need of a vehicle to undergo maintenance	14/04/2016
		Add an undergo maintenance button	14/04/2016
		Display the results of the algorithm	15/04/2016
		Update the list of available vehicles	15/04/2016
21	As the Accounts Officer I want to see the list of payments made (for bookkeeping purposes)	Fetch the payments information from the database	16/04/2016
		Display the payment information summary	16/04/2016
22	As the Accounts Officer I need to see a list of vehicle maintenance payments (for bookkeeping purposes)	Fetch the payments information from the database	17/04/2016
		Display the payment information summary	17/04/2016
23	As the CEO I want to generate reports on income	Generate a pdf/report of the information the CEO is viewing	18/04/2016
		Have a generate report button on the CEO's interface	18/04/2016

Table 1.4: Sprint backlog continued

<b>ID</b>	<b>Story</b>	<b>Sprint backlogs</b>	<b>Date</b>
24	As the CEO I want to generate reports on expenditure	Generate a pdf/report of the information the CEO is viewing	19/04/2016
		Have a generate report button on the CEO's interface	19/04/2016
25	As a driver I want to be able to request a day off	Have a request day off button on the page before page of the driver interface	20/04/2016
		Implement code to take the driver off the available drivers list	22/04/2016
26	As a driver I should be able to log out of my account	Implement code to facilitate logging out by drivers	23/04/2016
27	As a sender I need to be able to log out of my account	Make a log out button on the web page	24/04/2016
		Revoke the user's access	24/04/2016
28	As the Vehicle Maintenance Manager I want to see vehicle statistics such as fuel consumption		26/04/2016