

Exercise Sheet A

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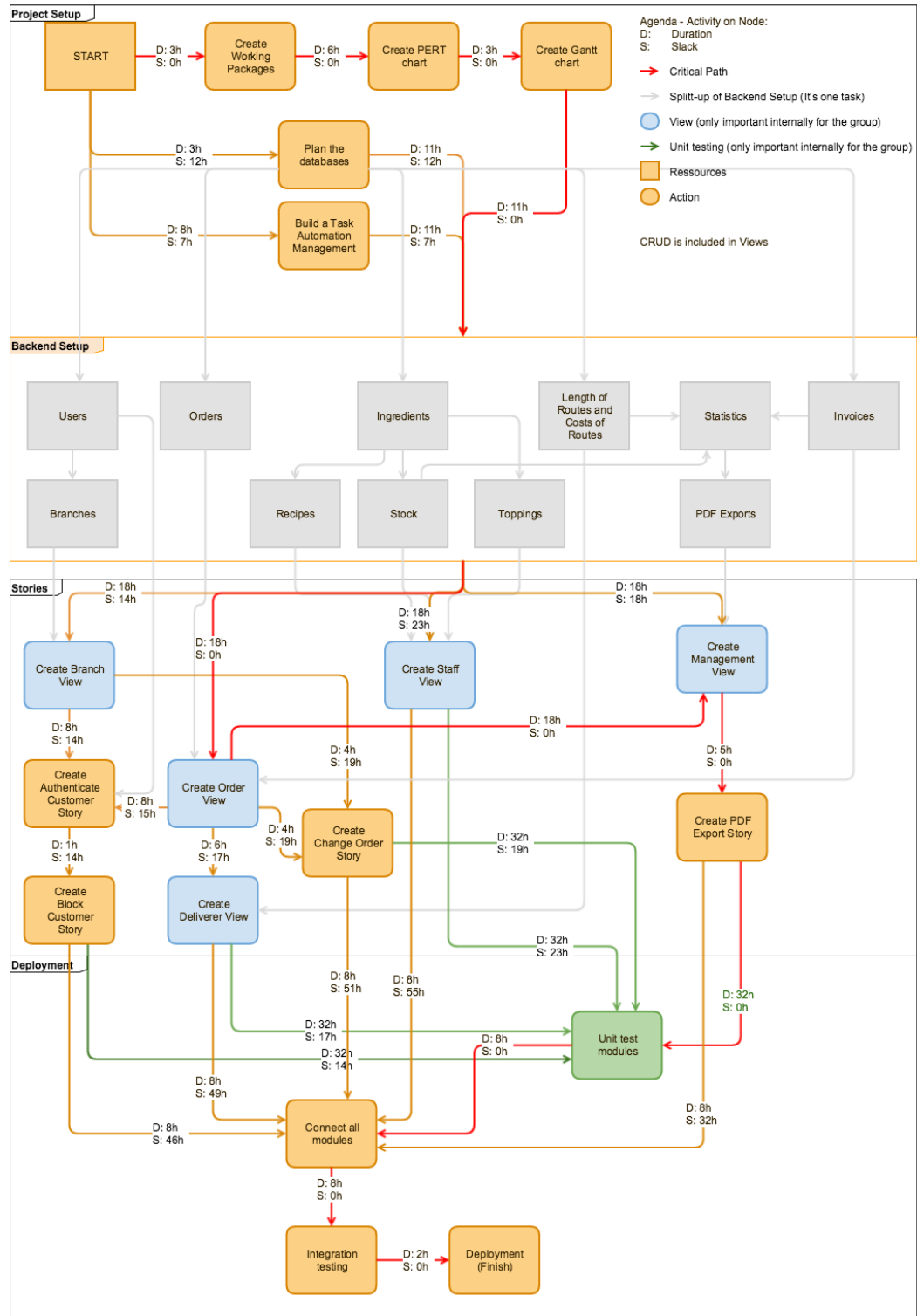
Group: *Iron Man*

13. November 2016

Aufgabe 1

1. Project Setup
 - 1.1 Work Packages
 - 1.2 PERT
 - 1.3 Gantt
 - 1.4 Backend Planning
 - 1.6 Backend Setup
 - 1.7 Task Automation Management (Gulp)
2. Features (Stories and Views)
 - 2.1 Order View
 - 2.1.1 Change Order
 - 2.1.2 Calculate Distance
 - 2.1.3 Calculate Delivery Cost
 - 2.2 Branch View
 - 2.2.1 Authenticate Customer
 - 2.2.2 Block Customer for 30 days
 - 2.2.3 Read, Update Order Status
 - 2.2.4 Read, Update Stock per Branch
 - 2.3 Staff View
 - 2.3.1 CRUD Recipes
 - 2.3.2 Create, Delete Ingredients
 - 2.4 Deliverer View
 - 2.4.1 Map
 - 2.4.2 Show Delivery address and route
 - 2.5 Management View
 - 2.5.1 Statistics Receipts
 - 2.5.2 Statistics Ingredients per Branch
 - 2.5.3 PDF Export and download

Aufgabe 2



Duration	ES	LS	EF	LS	Slack	Activity
3	0	0	3	3	0	Working Packages
3	0	12	3	15	12	Database planning
8	0	7	8	15	7	Task Automation Management
6	3	3	9	9	0	PERT
3	9	9	12	12	0	Gantt
11	15	15	24	24	0	Backend Setup
18	24	38	42	56	14	Create Branch View
8	42	56	50	64	14	Authenticate Customer
1	50	64	51	65	14	Block Customer
18	24	47	42	65	23	Create Staff View
18	24	24	42	42	0	Create Order View
18	42	42	60	60	0	Create Management View
6	42	59	48	65	17	Create Deliverer View
4	42	61	46	65	19	Change Order Story
5	60	60	65	65	0	Export PDF Story
32	65	65	97	97	0	Unit Test Modules*
8	97	97	106	106	0	Connect all Modules
8	106	106	144	144	0	Integration Testing
2	144	144	146	146	0	Deployment (Finish)

* Unit tests can be divided based on the human resources. Since we are four in our group, the unit tests can last 8 hours for each person and therefore the finish of all working packages from 'Unit Test Modules' can start and finish 24 hours earlier.

Kritischer Pfad:

Create Working Packages ⇒
 Create PERT chart ⇒
 Create Gantt chart ⇒
 Backend Setup ⇒
 Create Order View ⇒
 Create Management View ⇒
 Create PDF Export Story ⇒
 Unit test Moduls ⇒
 Connect all Moduls ⇒
 Integration testing ⇒
 Deployment (Finish)

Aufgabe 3

