



INFOSYS 220

ASSIGNMENT 2

USE CASE MODELLING

Semester 1 2018 Individual Assignment Template

1. REQUIREMENTS DEFINITION REPORT

Functional Requirements:
1. Booking an Appointment
1.1 Booking step will be done via online systems with notifications sent via email or text messages 1.2 Teachers can also confirm an appointment for the child by request from a parent/guardian
2. Appointment reminders
2.1 Two remainders sent to the parent/guardian; a week before and the day before
3. Portfolio Implementation
3.1 Nurse obtains the portfolio of each child through the new system 3.2 An officer/specialist from the Ministry of Education will also be present to ask and observe the child's learning and development and strengths and difficulties. These are then recorded during the session and filed into the child's portfolio as reports of outcome report 3.3 Teachers from Happy Duckling will regularly use the system to add or update information on the child's learning and development. 3.4 Teachers can view, update and manage their children's information and portfolio page anytime. 3.5 When a child is due to start school, the child's portfolio is then compiled and sent to the Ministry of Education. 3.6 Each parent/guardian will have a view only access of their child's portfolio in details with specific reports, test results, follow-up appointments and the wellbeing and development of the child.
4. Medical and Wellbeing Reports
4.1 The parent/guardian will be asked to fill out questionnaires about the child's development and wellbeing by the assigned teacher.

<p>4.2 The nurse will measure the child's height, weight and update on the child's immunisation chart.</p> <p>4.3 An officer/specialist from the Ministry of Education will also be present to ask and observe the child's learning and development and strengths and difficulties. These are then recorded during the session and filed into the child's portfolio as reports of outcome report.</p> <p>4.4 Both nurse and specialist will need to sign to complete the outcome reports</p> <p>4.5 The nurse will be responsible for completing the medical outcome while the specialist proved the wellbeing and development outcome reports.</p> <p>4.6 After each appointment, parents can view the report of their child.</p>
<p>5. Online Chat</p>
<p>5.1 The system aims to have an online chat available for all parents/guardians that have any pre or post questions with an officer from Ministry of Education</p>
<p>6. Monthly Report</p>
<p>6.1 Ministry of Education will request monthly reports from Happy Duckling ECE staff to link them with the school's registry to ensure availability of relevant parties with the reports generated.</p> <p>6.2 A monthly report can be generated adhoc when it is requested by Ministry of Health or Ministry of Education.</p>
<p>Non-functional Requirements:</p>
<p>1. Operational / Usability</p>
<p>1.1 Happy Duckling would like to roll out the system in the mobile front and pilot it on iOS and Android only as a start and will explore further in the future</p>
<p>2. Performance</p>
<p>2.1 Information updates will be synchronised and available to view after 5 hours</p>
<p>2.2 Portfolio of a child who left the centre will be archived and set to view only mode.</p>
<p>3. Security</p>
<p>3.1 The System will be automatically backed up every 12 months and any old portfolio that is 12 months or older will be archived in the records database</p>
<p>4. Cultural and Political?</p>
<p>4.1 No specific cultural and political requirements identified</p>

2. USER STORIES

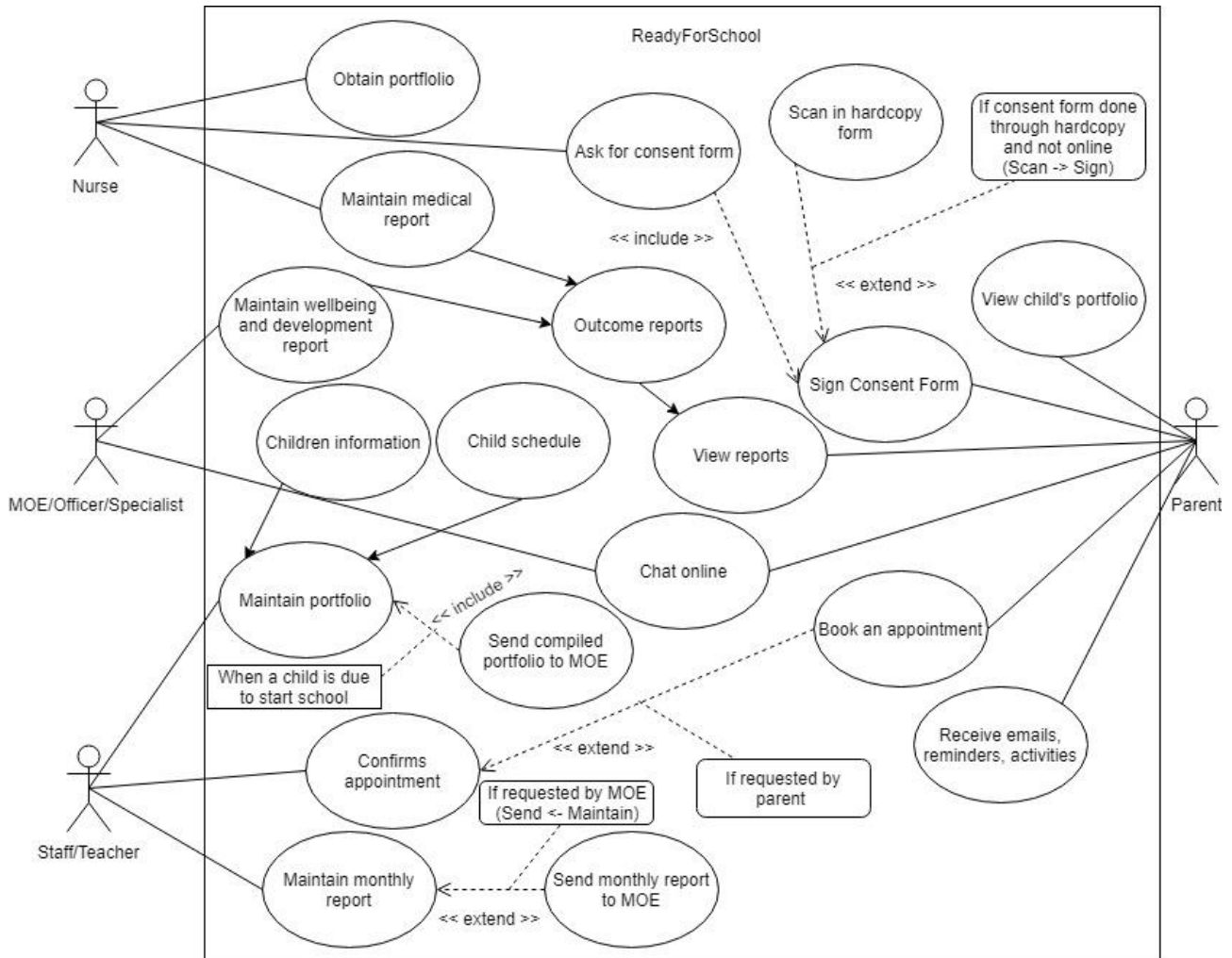
Parent

As a Parent, I want to book an appointment so that I am aware of the procedure that will occur at
the check.
As a Parent, I want to be sent the full list of activities to be done in the session prior to the
appointment day so that I will know what type of test is required for my child at the check.

Nurse

As a Nurse, I want the parent/guardian to fill out questionnaires about the child's development
and wellbeing so that I can obtain the portfolio of each child through the new system.
As a Nurse, I want the two outcome reports created to be signed off so that integrity and
accountability is ensured.

3. USE CASE MODEL



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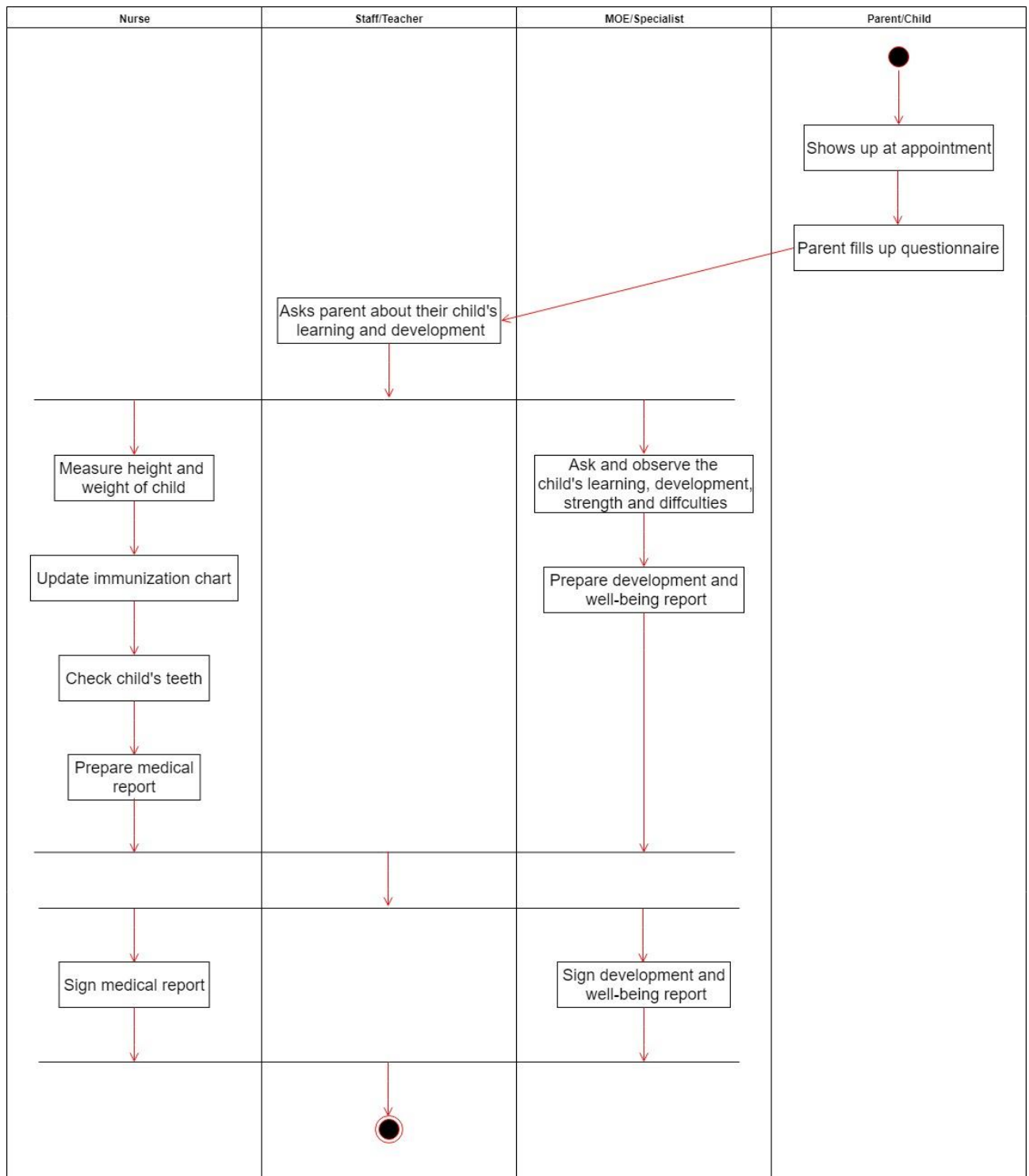
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4. USE CASE DOCUMENTATION

USE CASE #	Organise Reports	Priority: High
Goal in Context	Happy Duckling staff will be able to organise medical reports and specialists will be able to organise the wellbeing and development reports.	
Trigger event & Type	Completion of Check	
Primary actor(s) & Secondary actor(s)	Primary: Nurse & MOE/Specialist Secondary: No secondary actor(s)	
Related use cases	1	
Preconditions	Parent signs consent form, Parent books and appointment	
Success post condition	The result of the check is documented.	
Failure post condition	The result of the check is not documented.	
NORMAL FLOW steps (NF)	Action	
1	Parent and child show up for booked appointment	
2	Parent fills out questionnaire	
3	Staff/Teacher asks Parent about their child's learning and development	
4	Nurse measures child's weight and height	
5	Nurse updates the child's immunisation chart	
6	Nurse checks on child's teeth	
7	MOE/Specialist will ask and observe the child's learning, development, strength and difficulties.	
8	Medical report is created by nurse and Development and Wellbeing report is created by MOE/Specialist.	
9	Both nurse and specialist sign the outcome reports	
ALTERNATE FLOW steps (AF)	Action	
EXCEPTION FLOW steps (EF)	Action	
EF 1.1	Appointment is cancelled	
EF 1.2	Appointment is rescheduled	
EF 1.3	Parent and child does not show up to appointment	
Non-functional requirements		

5. ACTIVITY DIAGRAM



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