Use Case Scenario

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| Nr. and Name: | M 01 Prescription |
| Scenario: | Medication Prescription |
| Short Description: | Doctor prescribes medication for the patient. In the prescription process the dosages and drug interactions are validated |
| Actors: | Dr. TopHat, MHCPMS App, DB, Printer |
| Starting Event and Preconditions: | Patient needs medication to treat illness. May already be taking some medication. Medication may need to be changed. |
| Result and Postconditions: | Prescription is validated and submitted to DB, print prescription. |

Steps:

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| Nr. | Actor | Description |
| 1 | Dr. | Doctor wants to change the patients’ medication. |
| 2 | Dr. / App | Doctor chooses medication in App and sets dosage. |
| 2.1 | Dr. / App | Running medication is altered. |
| 3 | App | Dosage and drug interaction is validated. |
| 4 | App | App commits altered / new patients’ medication to DB |
| 4.1 | App | App provides option to print prescription. |
| 4.2 | Dr. / App | Doctor prints prescription, app sends prescription to printer. |
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Exceptions, Variants:

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| Nr. | Actor | Step |
| 2.0 | App | <<Error>> Medicament not found |
| 2.1.1 | App | <<Error>> Patient has no current prescriptions. |
| 3.0 | App | <<Warning>> Dosage to high |
| 3.1 | App | <<Warning>> Conflict, drug interaction between Med.a and Med.b |
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