**Requirement specification**

**Overview**

Our module is adding new features to the existing appointment module which is to prevent those patients constantly miss an appointment to make appointments. For these patients, they will need to pay deposit (guaranteefee) throught paypal first, then they are able to do other things, but if they do not show up as scheduled, they would not get their deposit back as punishment.

**Detail**

1. Using OpenMRS’s existing schama, get information about whether patient has miss the appointment or not. Marked as missed, canceled or scheduled.
2. Implement PayPal API redirect missed appointment patients to PayPal website to pay fix amount of deposit (which has to be specify on the doctor side).
3. Patients attend appointment regularly will not be ask to pay the deposit.
4. Using Paypal API/IPN to get message notify the doctor side that the patient has successfully pay the deposit online, and save payment data into our own server database.
5. Call back to openmrs and update the database, allowing patients to make appointment.(not finished)