**Overview**

This document is prepared to detail out the Api services for integrating BestDoc-PRMS application to HIS system.

**Scope**

1. Enable Reminder and Feedback services(SMS, IVR, and Whatsapp)
2. OTC Application for Call center users
3. Web plugin for advance appointments + Payment
4. Queue Management Application for Doctors
5. Appointment related communication over SMS and Whatsapp
6. **Get Patient Details**

The api that uses the mobile number/uhid as input and gives a response back with the details of the patient demographic data, if the search input is a mobile number there may be a list of patient details. A mobile number may have multiple patient entries, whereas uhid search will return a unique patient data.

**API URL** : http://…….../getPatientDetails

**Request Method** : POST

**Input** : {"MobileNo" :"9496639730"} or  {"Uhid" :" 0001399990"}

**OutPut** :

{

"listPatients": [

{

"FName": "SACHIN",

"MName": "RAMESH ",

"LName": "TENDULKAR ",

"Nationality": "001",

"MaritalStatus": 1,

"FatherSpouse": "D/O SADASIVAN",

"DobNotKnown": 0,

"Address": "KALATHIL HOUSE",

"MobileNo": "9496639730",

"Uhid": "0001399990",

"Salutation": 0,

"Gender": "2",

"Dob": "1990-05-26",

"PinCode": "680102",

"Location": "ARIYANNUR",

"District": "THRISSUR",

"State": "KERALA",

"CreatedDate": "2016-04-12",

"EmailId": REKHA@GMAIL.COM,

"AlertMessage": "", // alert message

"AlertFlag": 0, // Alert message flag 0-No 1-yes

"CustomerType": 4, // 0-Self paying , 1- Insurance company, 2-Corporate client, 3-Credit patient, 4- TPA

"CustomerDesc": "VIDAL HEALTH TPA Pvt.Ltd." // Insurance/ corporate/ TPA/ Credit company name

"CustomerPolicyId" = "CORP018"

}

]

1. **Get Doctor Slots**

**API URL** : http://……….../getDoctorSlots

**Request Method** : POST

**Input** :

{

"DoctorId": "11061",

"VisitDate" : "2018-10-20"

}

**OutPut** :

{

"SessionList": [

{

"SessionId": "1",

"SessionStartTime": "09:00:00",

"SessionEndTime": "12:00:00",

"SlotInterval": "3",

"Slots": [

{

"TokenNumber": "3",

"StartTime": "09:06:00",

"EndTime": "09:09:00"

},

{

"TokenNumber": "4",

"StartTime": "09:09:00",

"EndTime": "09:12:00"

},

{

"TokenNumber": "5",

"StartTime": "09:12:00",

"EndTime": "09:15:00"

}

]

},

{

"SessionId": "2",

"SessionStartTime": "14:00:00",

"SessionEndTime": "18:00:00",

"SlotInterval": "3",

"Slots": [

{

"TokenNumber": "1",

"StartTime": "14:00:00",

"EndTime": "14:03:00"

},

{

"TokenNumber": "2",

"StartTime": "14:03:00",

"EndTime": "14:06:00"

}

]

}

],

"Flag": 1, //1:Success, 2:Failure

"Status": "Success",

"Message": "Successfull"

}

1. **Create Appointment**

The api that uses the patient details as input and gives a response back with a Visit Code/Booing Id along with a Success/Failure message after inserting the booking/visit.

**API URL**: http://………../createBooking

**Request Method**: POST

**Input**

{

“PatientDetails”: {

"PatientName": "SANDHAMMA JOSEPH",

"MobileNo": "9496639730",

"Gender": "2",

"Dob": "1990-05-26",

"Location": "THIRUVALLA",

"EmailId": "

}

**OR**

"Uhid": "0001665372",

"DoctorId" : "11061",

"IsAppointment" : "1", //0- walk in ,1-Appointment

"SessionId": "2"

"VisitType" : "2",  (1: New visit, 2: Re-Visit, 3: Free-Visit)

"InsuranceCompany" : "TPA0031", //Check the feasibility in HIS

"PolicyNo" : "789456123",

"ReferralType" : "3", //Check the feasibility in HIS //1 -Internal doctor ,2- Facilities/Institutions ,3- Others, 4- External doctor

"ReferredBy" : "", //if referralType=1 then use default doctor list, else if referralType=2 then use referral master shared, else is referralType=3 then "" else if referralType=4 then use referral master shared

"ReferredByName" : "TEENA THOMAS", // if referralType=1 then use default doctor list else if referralType=2 then use referral master shared, else is referralType=3 then "Free Input text" else if referralType=4 then use referral master shared.

"ConsultationDate " : "2022-10-20",

"AppointmentTime " : "14:15:00",

"TokenNo": 7,

"AppointmentDuration " : "3" //duration of the slot in minutes- If HIS required

}

**OutPut** :

{

~~"VisitCode": "VST001938222", //For WalkIn patients~~

"BookingId": "BK123123", //For Advance appointments and Walk-in patients

"ConsultationType": 1, // (1: New registration, 2: Re-Visit, 3: Free-Visit)

"TokenNo": 7,  // For walkin’s and appointments HIS generate token number

"Flag": 1,

"Status": "Success",

"Message": "Created Successfully"

}

1. **Get Billing Information**

API used to get the amount details and the details that are required to mark the payment in HIS Application.

**API URL:**  http://…………./getBillingInfo

**Request Method:**  POST

**Input :**

{

"BookingId": "BK123123"

}

**OutPut** :

{

"Uhid": "0000035884",

"ListAmountDetails": [

{

"VisitDate" : “2018-06-28”,

"ProviderCode": "874",

"ProviderName": "MANOJ G.",

"customerType": 0,

"objOrderServices": [

{

"serviceId": "PNV180",

"billCode": "PNV180",

"orderNumber": "ORD0009957",

"serviceDesc": "SHAJI THOMAS JOHN MD (NEW VISIT)",

"serviceCost": 250

}

]

}

],

"Flag": 1,

"Status": "Success",

"Message": "Success"

}

1. **Create Payment**

**API URL:** http://…………./createPayment

**Request Method:** POST

**Input :**

{

"onlinePaymentMode": "CARD/UPI/INTERNET BANKING/OFFLINE CARD/DIRECT CASH",

"cardNumber": 1761, // last 4 digits of card no, for OnlinePaymentMode=CARD

"cardExpiry ": "12/2021", //mm/yyyy, for OnlinePaymentMode=CARD

"approvalId": "A161403", // Approval ID, for OnlinePaymentMode=CARD

"amountList": [

{

"BookingId": "BK123123",

"objOrderServices": [

{

"serviceId": "PNV180",

"billCode": "PNV180",

"orderNumber": "ORD0009957",

"serviceDesc": "SHAJI THOMAS JOHN MD (NEW VISIT)",

"serviceCost": 250

}

]

}

]

}

**OutPut :**

{

"Uhid": "0000114056",

"BillNumber": "BILL02113817", // Unique id for identifying the payment in HIS side

"Flag": 1,

"Status": "Success",

"Message": "Bill No Created successfully"

}

1. **Advance search**

**API URL** : http://…./advanceSearch

**Request Method** : POST

**Input**

{

"MobileNo": "",

"Uhid": "",

"FName": "",

"MName": "",

"LName": "",

"Address1": "KALATHIL HOUSE",

"Location": "VA"

}

**OutPut**

{

"listPatients": [

{

"FName": "SANDHAMMA JOSEPH",

"MName": "",

"LName": "",

"Nationality": "001",

"DobNotKnown": 0,

"Address1": "KALATHIL HOUSE",

"Address2": "",

"MobileNo": "9496639730",

"Uhid": "0001399990",

"Name": "SANDHAMMA JOSEPH",

"Salutation": 0,

"Gender": "2",

"Dob": "1990-05-26",

"PinCode": "680102",

"Location": "THIRUVALLA",

"District": "KOTTAYAM",

"State": "KERALA",

"CreatedDate": "2016-04-12",

"EmailId": null,

"AlertMessage": "",

"AlertFlag": 0,

"OpBalance": null,

"IpBalance": null,

"hasPackage": 1,

"OpAdvStatus": 1,

"OpAdvAmount": 65000,

"IpAdvStatus": 0,

"IpAdvAmount": 0,

"CustomerType": 4,

"CustomerDesc": "VIDAL HEALTH TPA Pvt.Ltd.",

"CustomerPolicyId": "CORP018"

}

]

}

1. **Sync Transactions**

Api used to sync the transactions done at HIS side. We need to identify and update all the touchpoints related to Appointment handling flow in BestDoc. Please find the below process id’s(Touchpoints).

Note: We are not expecting duplicate records for a single appointment with different status(processId). Also, there is no need to give back the transactions which are inserted through BestDoc channels.

**ProcessID - Values**

1 - Walkin(Visit+Payment)

2 - Advance Appointment(Booking Only)

3 - CheckIn advance appointment(Checkin+Payment)

4 - Payment

5 - Canceled Appointment/Visit

6 - Update Patient Profile

~~7 - Doctor Leave - TBD~~

**API URL** : http://……./syncTransaction

**Request Method** : POST

**Input :**

{

"StartDateTime" : "2021-01-15 09:00:00"

"EndDateTime" : "2021-01-15 09:03:00"

}

**OutPut** :

[

{

"ProcessId": 1,

"PatientDetails": {

"Uhid": "0001399990", //Optional, Not available if for the advance appointment without UHID case

"FName": "REKHA",

"MName": "",

"LName": "",

"Nationality": "001",

"MaritalStatus": 1,

"FatherSpouse": "D/O SADASIVAN",

"DobNotKnown": 0,

"Address1": "KALATHIL HOUSE",

"Address2": "KOCHI",

"MobileNo": "9496639730",,

"EmailId": "REKHA@GMAIL.COM"

"Name": "REKHA",

"Salutation": 0,

"Gender": "2",

"Dob": "1990-05-26",

"AgeY": "25",

"AgeM": "10",

"AgeD": "16",

"PinCode": "680102",

"Location": "ARIYANNUR",

"District": "THRISSUR",

"State": "KERALA",

"CreatedDateTime": "2016-04-12 16:20:00"

},

"BookingDetails": {

"BookingId": "123456",

"VisitCode": "VST00207561",

"Uhid": "0001399990",

"DoctorId": "11061",

"IsAppointment": "1",

"VisitType": "2",

"InsuranceCompany": "TPA0031",

"PolicyNo": "789456123",

"AppointmentDate": "2021-01-23",

"AppointmentTime": "11:20:00",

"AppointmentDuration": "10”",

"SessionId": 1,

"TokenNo": 7,

"AppointmentTakenDateTime": "2021-01-15 22:00:00",

"CheckedInDateTime": "2021-01-23 10:45:00",

"CanceledReason": "Doctor Leave", //Optional, only for "ProcessId": 1

"AppointmentInitiatedVia": "1" //1: HIS, 2:BestDoc

"CheckedInVia": "1" //1: HIS, 2:BestDoc

"CanceledVia": "1" //1: HIS, 2:BestDoc

},

"PaymentDetails": {

"ConsultationFee": 250,

"RegistrationFee": 50,

"PaymentCollectedDateTime": "2021-01-23 10:46:10",

"BillNumber": "BILL02113817"

}

},

{

"ProcessId": 6,

"PatientDetails": {

"FName": "REKHA",

"MName": "",

"LName": "",

"Nationality": "001",

"MaritalStatus": 1,

"FatherSpouse": "D/O SADASIVAN",

"DobNotKnown": 0,

"Address1": "KALATHIL HOUSE",

"Address2": "KOCHI",

"MobileNo": "9496639730",

"Uhid": "0001399990",

"Name": "REKHA",

"Salutation": 0,

"Gender": "2",

"Dob": "1990-05-26",

"AgeY": "25",

"AgeM": "10",

"AgeD": "16",

"PinCode": "680102",

"Location": "ARIYANNUR",

"District": "THRISSUR",

"State": "KERALA",

"CreatedDateTime": "2016-04-12 16:20:00",

"EmailId": "REKHA@GMAIL.COM"

}

},

{

"ProcessId": 7,

"LeaveDetails": {

"DoctorId": "11061",

"StartDate": "2016-04-12 16:20:00",

"EndDate": "2016-04-12 16:20:00"

}

},

{

"ProcessId": 5,

"PatientDetails": {

"Uhid": "0001399990", //Optional, Not available if for the advance appointment without UHID case

"FName": "REKHA",

"MName": "",

"LName": "",

"Nationality": "001",

"MaritalStatus": 1,

"FatherSpouse": "D/O SADASIVAN",

"DobNotKnown": 0,

"Address1": "KALATHIL HOUSE",

"Address2": "KOCHI",

"MobileNo": "9496639730",,

"EmailId": "REKHA@GMAIL.COM"

"Name": "REKHA",

"Salutation": 0,

"Gender": "2",

"Dob": "1990-05-26",

"AgeY": "25",

"AgeM": "10",

"AgeD": "16",

"PinCode": "680102",

"Location": "ARIYANNUR",

"District": "THRISSUR",

"State": "KERALA",

"CreatedDateTime": "2016-04-12 16:20:00"

},

"BookingDetails": {

"BookingId": "123456",

"VisitCode": "VST00207561",

"Uhid": "0001399990",

"DoctorId": "11061",

"IsAppointment": "1",

"VisitType": "2",

"InsuranceCompany": "TPA0031",

"PolicyNo": "789456123",

"AppointmentDate": "2021-01-23",

"AppointmentTime": "11:20:00",

"AppointmentDuration": "10”",

"SessionId": 1,

"TokenNo": 7,

"AppointmentTakenDateTime": "2021-01-15 22:00:00",

"CheckedInDateTime": "2021-01-23 10:45:00",

"CanceledReason": "Doctor Leave", //Optional, only for "ProcessId": 1

"AppointmentInitiatedVia": "1" //1: HIS, 2:BestDoc

"CheckedInVia": "1" //1: HIS, 2:BestDoc

"CanceledVia": "1" //1: HIS, 2:BestDoc

“CancelledDateTime”: “2021-01-15 22:00:00”

},

"PaymentDetails": {

"ConsultationFee": 250,

"RegistrationFee": 50,

"PaymentCollectedDateTime": "2021-01-23 10:46:10",

"BillNumber": "BILL02113817"

}

}

]

**Master data required(Api or DB access required)**

1. Doctor & Department Master //Sync required
2. **Sync Doctor Details**

Api used to sync the changes made in HIS side in a day. We use the scheduler to fetch the changed data from HIS and update the same in BestDoc.

**API URL** : http://…./getDoctorDetails

**Request Method** : POST

**Input :**

{

"Date" : "2018-10-20"

}

Only fetch the data modified in the given date. If the date param is empty pass the whole set of data.

**OutPut** :

{

"ListDoctor": [

{

"Name": "Dr.John",

"DoctorId": "BD001",

"DepartmentId" : 10,

"DepartmentName" : "General Medicine",

"DoctorFee" : 250,

"CotactactNumber": "9846589644",

"Email": "[John@gmail.com](mailto:John@gmail.com)",

"Gender": "Male",

"Active": "true",

}

]

}