

Requirements Document for eBeatBook Application

System Users

1. BO - Beat Officers
2. PI - Police Inspector
3. DYSP - Sub-Divisional Police Officer
4. SP - Superintendent of Police
5. IGP/DGP - Inspector General of Police
6. System Admin

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BO Features - (Mobile App)

1. Authentication

- Phone Lock (Fingerprint, Face ID, Passcode)
- Login using Email ID and Password.
- Forget Password - Officer gets an OTP on their email.
- Reset Password using OTP and setting up new password.
- New BO
 - Uses Joining Code provided by the PI to register.
 - Adds Personal Details.

2. Locations Tab (List of Important Locations)

- List of all Important Locations.
- Filtering Options for location based on beat areas and location type.
- Google maps directions to all the locations.
- Add new location request.
- Edit location details request.

3. Persons Tab (List of Important People)

- List of all Important People.
- Filtering Options for people based on beat areas and type.
- Add new person request.
- Edit person details request.

4. Dashboard Tab (Map View)

- Map View of their BA.
- Important Locations in the Map View.
- BA Marking in map view.

5. Add Beat Visit Form

- Location - GPS Coordinates (autofill)
- Date Time - date and time (autofill)
- Severity - Slider (required, default - neutral)
- Photo - Image (required)
- Comments - Textbook (optional)
- Recording - Audio (optional)

6. Add Person Visit Form

- Person - Search and select (text field)
- Date Time - date and time (autofill)
- Photo - Image (required)
- Comments - Textbook (optional)
- Recording - Audio (optional)

7. Docs Tab (Past Beat Visits Data)

- All Past Beat Visits and Person Visits Data added by that BO.
- All Past Beat Visits Data added by other BO in that BA.
- Filter by date, location type and BO.

8. Daily Logs

- Add Daily Log - Comment
- Autofill Day Activity on app
- View Previous Logs - Calendar View

9. Offline Mode

- Add New Beat Location Visit Data.
- View Location Visit and Person Visit data added in Offline Mode.

10. Profile Tab (Profile Page)

- View their Profile.
- Edit their Profile Details.
- Add and View Daily Logs.
- View Assigner Summon and Warrent.
- List of all Important Contacts.

PI Features - (Web Application)

1. Authentication

- Login using Email ID and Password.
- Forget Password - Officer gets an OTP on their email to reset their Password.

2. Dashboard

- Map View of their Police Station Area.
- Important Locations in the Map View.
- BA Marking in map view.
- Graphs* (if possible)

3. Track Beat Officers

- Live Location of all Beat Officers (who are online) in that Police Station.
- Filter Beat Officers by Beat Area.

4. Beat Visit Data

- List of all Beat Location and Person Visits.
- Filtering Beat Visits Data by BA, BO, Date, Location Type and Location.
- Option to Delete/Hide Beat Visit Data - Audio, Comments and Images.
- Download Beat Location and Person Visit Data.

5. Summon and Warrant

- List and filter (by beat area and visited) all Summon and Warrants.
- Download Summon Warrant Data in Excel File.
- Add new Summon and/or Warrant.
 - Assign to Beat Office

6. Daily Logs

- Calendar View of Daily Logs.
- Filter Daily logs by Beat Location and People Visits, Addition of beat locations and Important People in the BA.
- Nested Filtering of BO by above filters.
- Viewing of Individual BO Logs.
- View Each BO log in detail

7. Locations and People Management

- List of all Important Locations and People in that PI Area.
- Filter Locations/People by BA and Location Type.
- Edit, Disable Location and Person Details.
- Approve/Reject/Edit Location Requests from BO.
- Download Locations Data.

8. Beat Officers (BO) Management

- List of all BO.
- Filter BO by BA.
- Register New BO.
- Assign BO to BA.
- Download BO Data.

9. Beat Area (BA) Management

- List and Map View of all BA.
 - Split BA
- Splitting BA into 2 separate BA.
 - Modify BA
- Editing/Changing BA Boundaries.
 - Merge BA
- Merging 2 BA into 1.

10. Profile Tab (Profile Page)

- View their Profile.
- Edit their Profile Details.
- List of all Important Contacts.

DYSP Features - (Web Application)

1. Authentication

- Login using Email ID and Password.
- Forget Password - Officer gets an OTP on their email to reset their Password.

2. Dashboard

- Map View of their Police Station Area.
- Important Locations in the Map View.
- BA Marking in map view.
- Graphs*

3. Track Beat Officers

- Live Location of all Beat Officers (who are online) in that Police Station.
- Filter Beat Offers by Beat Area.

4. Beat Visit Data

- List of all Beat Location and Person Visits.
- Filtering Beat Visits Data by BA, BO, Date, Location Type and Location.
- Option to Delete/Hide Beat Visit Data - Audio, Comments and Images.
- Download Beat Location and Person Visit Data.

5. Locations Management

- List of all Important Locations in that PI Area.
- Filter Locations by BA and Location Type.
- Edit, Disable Location Details.
- Download Locations Data.

6. Police Inspector (PI) Management

- List of all PI.
- Filter PI by Police Stations.
- Register New PI.
- Assign PI to Police Station.
- Download PI Data.

7. Beat Officers Management

- List of all BO.
- Filter BO by BA.
- Register New BO.
- Assign BO to BA.
- Download BO Data.

8. Profile Tab (Profile Page)

- View their Profile.
- Edit their Profile Details.
- List of all Important Contacts.

SP Features - (Web Application)

1. Authentication

- Login using Email ID and Password.
- Forget Password - Officer gets an OTP on their email to reset their Password.

2. Dashboard

- Map View of their Police Station Area.
- Important Locations in the Map View.
- BA Marking in map view.
- Graphs*

3. Track Beat Officers

- Live Location of all Beat Officers (who are online) in that Police Station.
- Filter Beat Offers by Beat Area.

4. Beat Visit Data

- List of all Beat Location and Person Visits.
- Filtering Beat Visits Data by BA, BO, Date, Location Type and Location.
- Option to Delete/Hide Beat Visit Data - Audio, Comments and Images.
- Download Beat Location and Person Visit Data.

5. Locations Management

- List of all Important Locations in that PI Area.
- Filter Locations by BA and Location Type.
- Edit, Disable Location Details.
- Download Locations Data.

6. DYSP Management

- List of all DYSP.
- Filter DYSP by regions.
- Register New DYSP.
- Assign DYSP to region.
- Download DYSP Data.

7. Police Inspector (PI) Management

- List of all PI.
- Filter PI by Police Stations.
- Register New PI.
- Assign PI to Police Station.
- Download PI Data.

8. Beat Officers Management

- List of all BO.
- Filter BO by BA.
- Register New BO.
- Assign BO to BA.
- Download BO Data.

9. Profile Tab (Profile Page)

- View their Profile.
- Edit their Profile Details.
- List of all Important Contacts.

IGP/DGP Features - (Web Application)

1. Authentication

- Login using Email ID and Password.
- Forget Password - Officer gets an OTP on their email to reset their Password.

2. Dashboard

- Map View of their Police Station Area.
- Important Locations in the Map View.
- BA Marking in map view.
- Graphs*

3. Track Beat Officers

- Live Location of all Beat Officers (who are online) in that Police Station.
- Filter Beat Offers by Beat Area.

4. Beat Visit Data

- List of all Beat Location and Person Visits.
- Filtering Beat Visits Data by BA, BO, Date, Location Type and Location.
- Option to Delete/Hide Beat Visit Data - Audio, Comments and Images.
- Download Beat Location and Person Visit Data.

5. Locations Management

- List of all Important Locations in that PI Area.
- Filter Locations by BA and Location Type.
- Edit, Disable Location Details.
- Download Locations Data.

6. SP Management

- List of all SP.
- Filter SP by district.
- Register New SP.
- Assign SP to region.

7. DYSP Management

- List of all DYSP.
- Filter DYSP by regions.
- Register New DYSP.
- Assign DYSP to region.

8. Police Inspector (PI) Management

- List of all PI.
- Filter PI by Police Stations.
- Register New PI.
- Assign PI to Police Station.
- Download PI Data.

9. Beat Officers Management

- List of all BO.
- Filter BO by BA.
- Register New BO.
- Assign BO to BA.
- Download BO Data.

10. Profile Tab (Profile Page)

- View their Profile.
- Edit their Profile Details.
- List of all Important Contacts.