Incident Management System- BDDS

For Gadchiroli Police Department

Presented By: Cluematrix Technologies Pvt. Ltd.

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1 Project Overview

Overview

- This is Cloud based Database Management System with the use of police department infrastructure.
- BDDS Incident Management System is a Centralized Database System Designed for accuracy and transparency of the Incident.
- The storing process of data can be done using two methods
  - On spot data gathering using Mobile Application
  - Backend data entries using web application

2 Project Features

Features

- Centralized Database System with Encrypted Data
- To link the crime with the criminal
- To ensure the safety of people and property
- Proper documentation
- Investigations
- Transparency
- Accuracy

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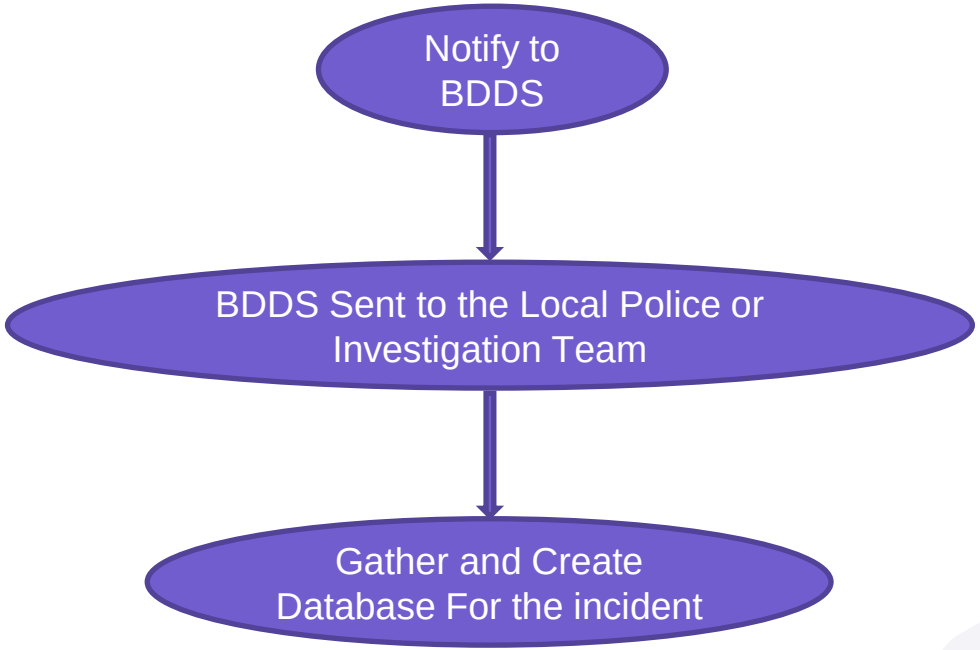
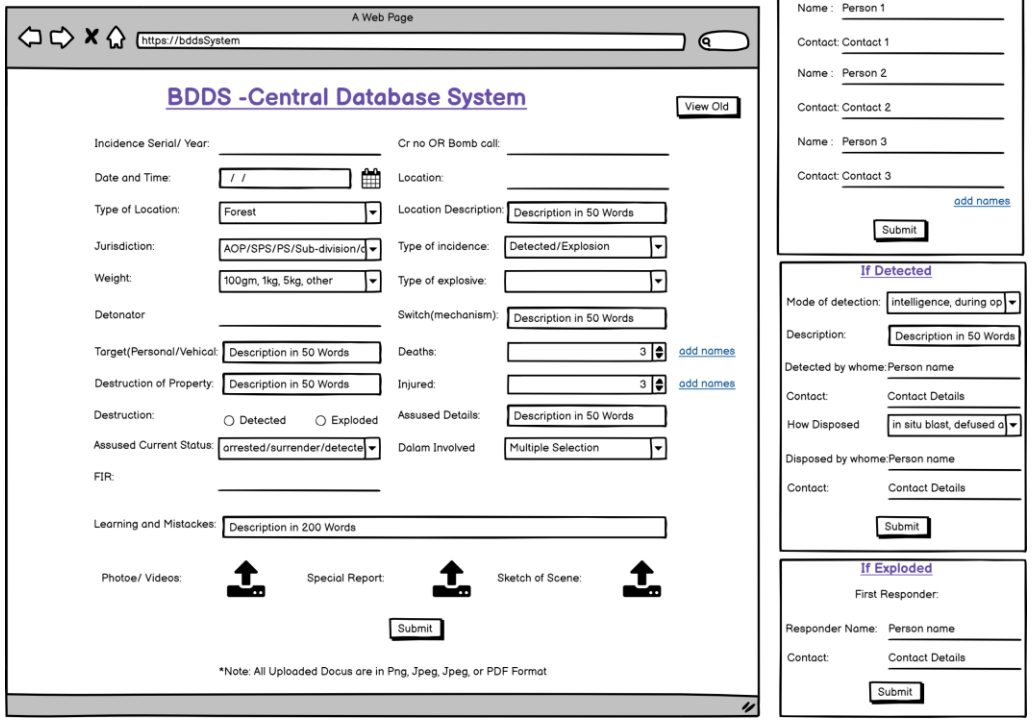
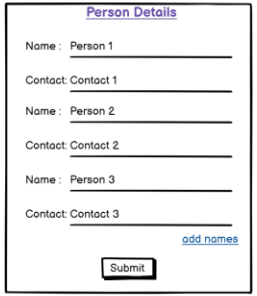
How it Works

Process


Notify to BDDS
BDDS Sent to the Local Police or Investigation Team
Gather and Create Database For the incident

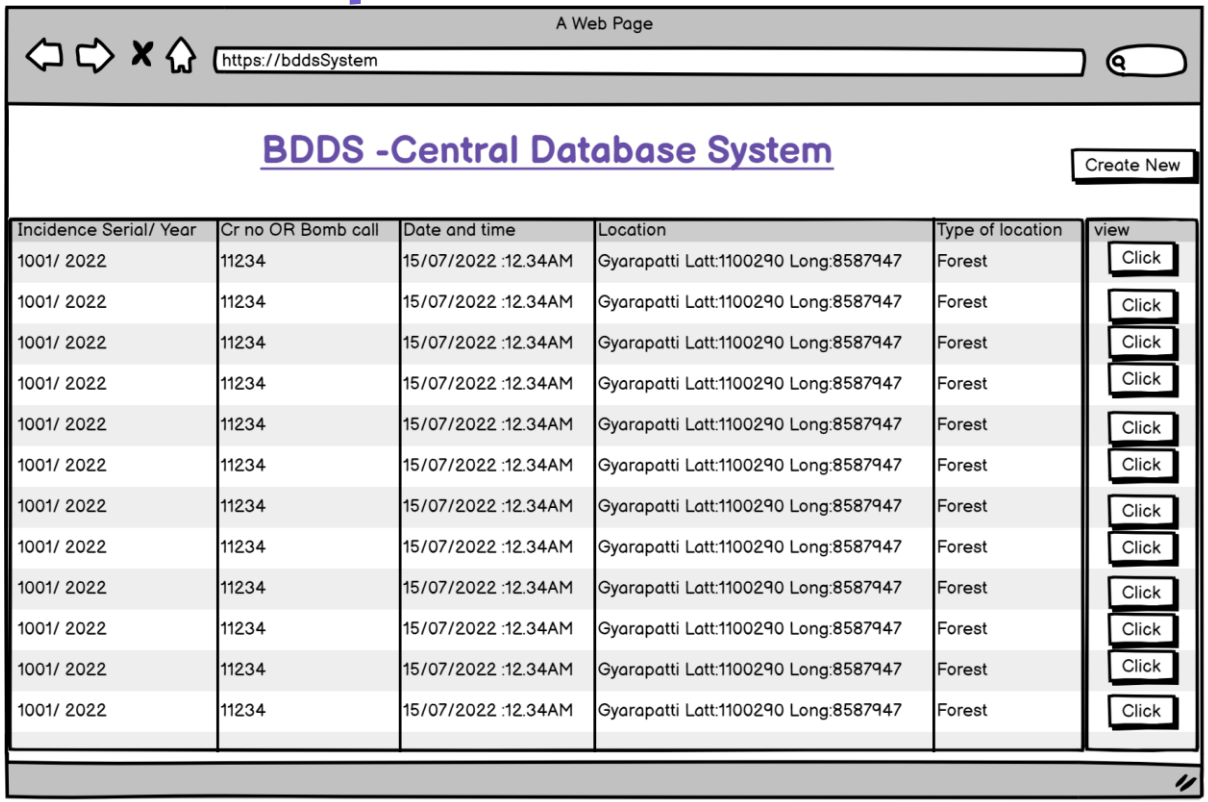
Initial Response to Information





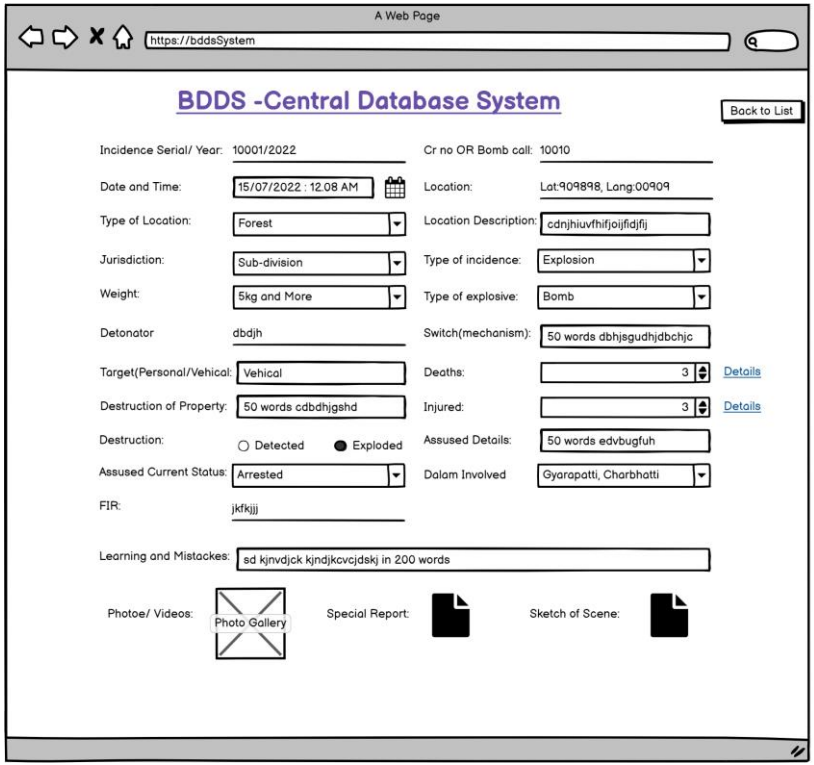
Create

Initial Response to Information:



Listing

Initial Response to Information:

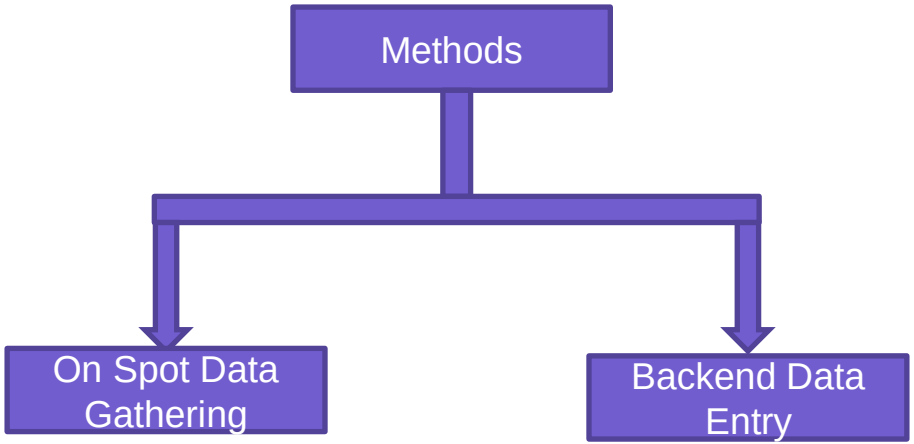


View

4 Working Methods

Working Methods

Data Collection Based on Explode or Diffused



On Spot Data Gathering

- We use Mobile app to Gather Information related to Incident
- Accuracy and Transparency is high
- Time Efficient Approach
- Efficient System that will help to Police Department
- Paper Less System
- We can Capture accurate Latitude and Longitude

Back-end Data Entry

- Backend System that can only used by BDDS to Create information related to Incident
- Accuracy and Transparency is low
- Time Consuming Approach
- Some how we can use Paper
- We can not Capture accurate Latitude and Longitude

5 Future Scope

Future Scope

- Mobile App – For People to awareness.
- Peoples can Capture Image and information about incident with current latitude and longitude for the faster process of Incident.
- User Hierarchy Should be maintain for the Data Security.
- To ensure the safety of people and property
- This Can be remove: as Explosive investigation is a difficult task as most of the evidences would have already been lost.

6 Technology Stack

Technology Stack

- Database: **PostgreSQL** - PostgreSQL is a powerful, strong reputation for reliability, feature robustness, and performance.
- Mobile Db: **Couchbase Lite -** Couchbase Lite is a powerful NoSQL embedded JSON database. It is a highly scalable DB with enterprise-level security.
- Mobile App- **Backend: Java** - Object Oriented, Secure, Platform Independent, Dynamic and many More.
- Mobile App- **Frontend: xml** - XML provides a standard method to access information, making it easier for applications and devices of all kinds to use, store, transmit, and display data.
- Cloud Based- **Backend: Java** — Object Oriented, Secure, Platform Independent, Dynamic and many more.
- Cloud Based- **Frontend: ReactJS, Html, CSS** — Design, Simple, Attractive, Powerful.

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Benifits

Benifits

- Reduce efforts to identify Incidence
- Time Efficient Approach
- Centralized Database System that will help to Police Department to find any record.
- Secure and Confidential data can be searched
- Data Security and Proper Data management
- Paper less System

Thanking You!!!

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