1. Synopsis of the project

Develop a web app to track reported harassment messages throughout social media and mobile networks while collecting data on who receives these types of messages to formulate possible relations between the victims. This database could be used as a reference for law enforcement to possibly identify anonymous offenders through victim connections.

1. Uml use cases

i)

1. User received a harassing text message
2. User logs into the app
3. User clicks ‘Report Harassment’
   1. Selects platform of harassment (facebook/instagram/text/call)
   2. Selects type (sexual/emotional/stalking)
   3. User lists info from harrasser’s platform (phone number/username/Addtl./etc.)
   4. User uploads screenshot(s)
   5. User is prompted for checking/editing the transcribed text from image
   6. Select if report is private or public
   7. Submit
4. User is then notified that this username/phone number has been recorded by ‘xx’ other users

ii)

1. Admin logs into the app
2. Admin clicks ‘Unverified Reports’
3. Admin reads through reports and decides if they are legitimate cases of harassment
   1. Mainly looking for if they are actual problems or if someone was just trying to flood the database with bots, etc.
4. If marked as verified, Admin is prompted to provide a rating of the intensity of the harassment
   1. Selecting a number 1-3 or 1-5 with one being a minor case of harassment while the max being a major case
5. Admin is prompted to verify that his changes are correct
6. Admin is then notified that his changes were pushed successfully

iii)

1. Police Officer receives a report for harassment (given platform, type, phone number, username, etc.)
2. Officer logs into the app
3. Officer filters the data by platform and type
4. Officer then searches through the data finding an identical phone number or username
5. Officer finds a match and is able to correlate previous offenses of harassment to this new report
6. Officer can now take action against the harasser

iv)

1. Police Officer receives a report for harassment (given platform, phone number, username, etc.)
2. Officer logs into the app
3. Officer filters the data by platform and type
4. Officer then searches through the data and is unable to find an identical phone number or username
5. Officer searches for keywords that could match to other cases of harassment
6. Officer can then draw connections if any are identifiable.
7. Afterwards, Officer registers the new report for the client

v)

1. User wants to check if any similar cases of harassment have been reported
2. User logs into app
3. User is able to filter the data by platform and type
4. User is then able to see all PUBLIC reports, but not edit
   1. This allows the user to compare situations
   2. If they wanted to, they could send a DM message to the username who reported it and talk about both of their cases
5. Er diagrams (At least 6 Entities & 6 Relationships)
   1. **User** *searches* **Public Cases**
   2. **Admin** *approves* **Pending Case(s)**
   3. **Admin** *denies* **Pending Case(s)**
   4. **Police Officer** *filters* **All Cases**
   5. **User** *creates* **Profile**
   6. **User** *submits* **Pending Case**
   7. **Admin** *assigns* **Role**
   8. **Police Officer** *exports* **Case File(s)**
6. Relation specification