## **Sprint 4**

## app.py

```
flash, Response
from flask session import Session
from werkzeug.utils import secure filename
from pygame import mixer
app = Flask( name )
UPLOAD_FOLDER = os.path.join('static', 'uploads')
app.secret key = 'admin'
db = SQLAlchemy(app)
# user cache
app.permanent session lifetime = timedelta(minutes=5)
with app.app_context():
   password = db.Column(db.String(16), nullable=False)
def home():
```

```
db.session.add(user)
def login():
model = load model(r'./static/model/ForestDetectionModel.h5')
```

```
def image prediction(img file):
def video_prediction(video_file):
          if hasFrames:
         success = getFrame(sec)
    output.release()
    cap.release()
    image_extensions = {'jpg', 'jpeg', 'png', 'gif', 'webp'}
video_extensions = {'webm', 'mp4', 'mov', 'avi', 'mkv'}
```

```
file.save(path)
             imageprediction = image prediction(path)
.mg prediction=imageprediction, link image video = True)
             path = os.path.join(app.config['UPLOAD_FOLDER'], 'videos',
def alert messge():
cv2.putText(frame, 'Fire Alert', (500, 60), cv2.FONT_HERSHEY_SIMPLEX, 0.8, (0, 0, 255), 2, cv2.LINE_AA)
```

```
def camera stop():
```

## about.html

```
</div>
     </div>
  </div>
     </div>
     <h3>Suresh Raja Perumal</h3>
  </div>
</body>
</html>
```

## about.css

```
body{
   margin: 0;
   padding: 0;
   min-height: 100vh;
   font-family: 'Jost', sans-serif;
   color: #fff;
   background: linear-gradient(to bottom, #0f0c29, #302b63, #24243e);
}
#header{
   display:flex;
   position: relative;
   flex-direction: row;
```

```
margin: 0.5em;
}
#header .title(
    text-align: left;
}
#header h1(
    font-size: 1.5em;
}

#header .sections(
    position: absolute;
    top:lem;
    right:0;
    font-size: lem;
}
#header .sections a(
    margin-right: 1.5em;
    text-decoration: none;
    color: #fff;
}

#content p(
    text-align:center;
    font-size: lem;
    margin-left:3em;
    margin-left:3em;
    margin-left:3em;
    padding: 0.5em;
    line-height: 2;
}

.team_details(
    text-align: center;
    margin-top: lem;
}
```