Spring Boot 2.x Email -by Mr. RAGHU

1. application.properties

```
spring.mail.host=smtp.gmail.com
spring.mail.port=587
spring.mail.username=paramesh.nit.12
spring.mail.password=boot123456
spring.mail.properties.mail.smtp.starttls.enable=true
spring.mail.properties.mail.smtp.auth=true
```

2. Service Class

```java
package in.nit.service;

import javax.mail.internet.MimeMessage;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.core.io.AbstractResource;
import org.springframework.mail.javamail.JavaMailSender;
import org.springframework.mail.javamail.MimeMessageHelper;
import org.springframework.stereotype.Component;

@Component
public class MailService {
    @Autowired
    private JavaMailSender sender;

    public boolean send(
            String to,
            String subject,
            String text,
            AbstractResource file){
```

```java
            boolean issent=false;
            try {
                    //1. create Message
                    MimeMessage message=sender.createMimeMessage();
                    //2. provide details
                    //true=>allocate memory for attachment
MimeMessageHelper helper=new MimeMessageHelper(message, file!=null);
                    helper.setTo(to);
                    helper.setSubject(subject);
                    if(text!=null)
                            helper.setText(text);
                    if(file!=null)
                            helper.addAttachment(file.getFilename(), file);
                    //3. send message
                    sender.send(message);
                    issent=true;
            } catch (Exception e) {
                    issent=false;
                    e.printStackTrace();
            }

            return issent;
    }

    /***
     * over loaded methods
     *
     */
    public boolean send(
                    String to,
                    String subject){
            return send(to,subject,null,null);
    }

    public boolean send(
                    String to,
                    String subject,
                    String text) {
            return send(to,subject,text,null);
    }
}
```

```java
package in.nit.runner;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.CommandLineRunner;
import org.springframework.core.io.FileSystemResource;
import org.springframework.stereotype.Component;

import in.nit.service.MailService;
@Component
public class MailTestRunner
        implements CommandLineRunner
{

    @Autowired
    private MailService service;

    @Override
    public void run(String... args) throws Exception {
        FileSystemResource file=new
FileSystemResource("C:\\Users\\Public\\Pictures\\Sample
Pictures\\Penguins.jpg");
        boolean sent=service.send("javabyraghu@gmail.com",
"Welcome", "Hello all!!", file);
        if(sent)
            System.out.println("done");
        else
            System.out.println("not");

    }

}
```

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