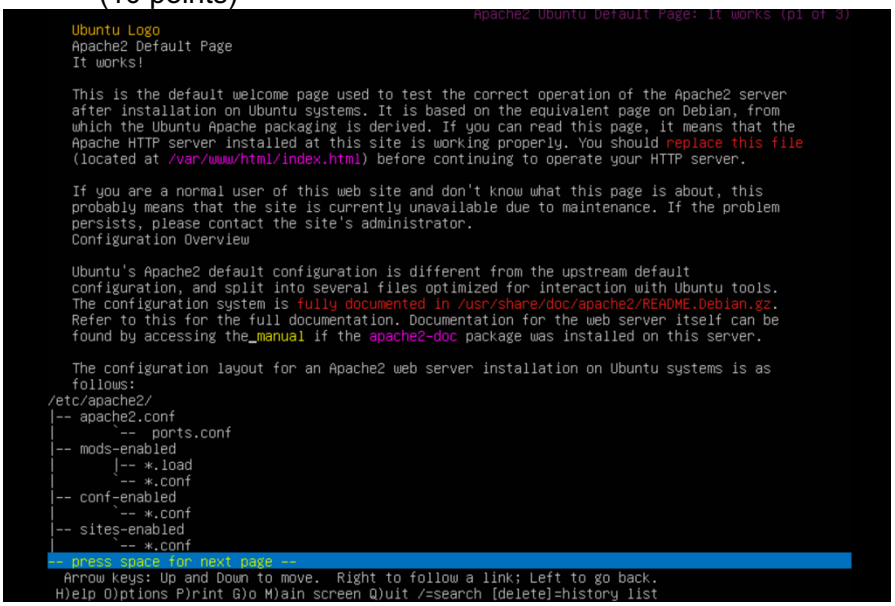
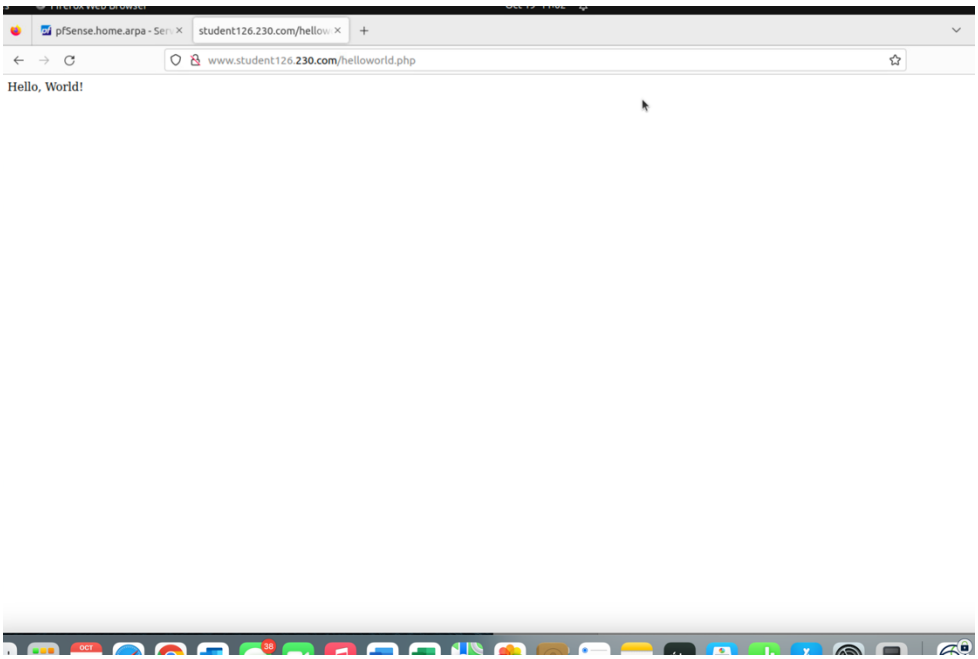
Lab 08 Template – Ethan Roepke

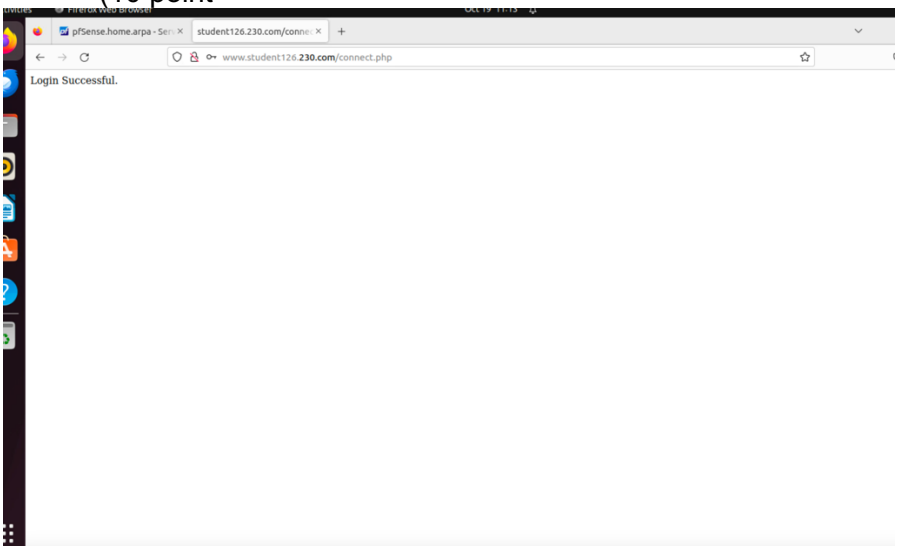
1. **Screenshot of the default Apache page via Lynx**
   www.studentXX.230.com
   (10 points)



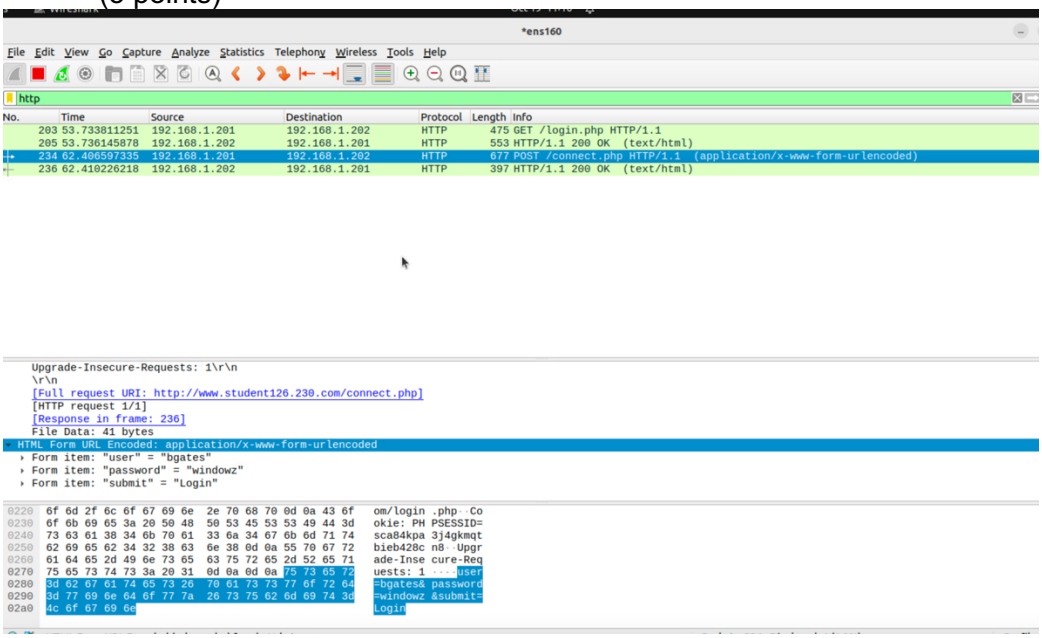
2. **Screenshot of the Hello, world! PHP page via Firefox**
   www.studentXX.230.com/helloworld.php
   (10 points)



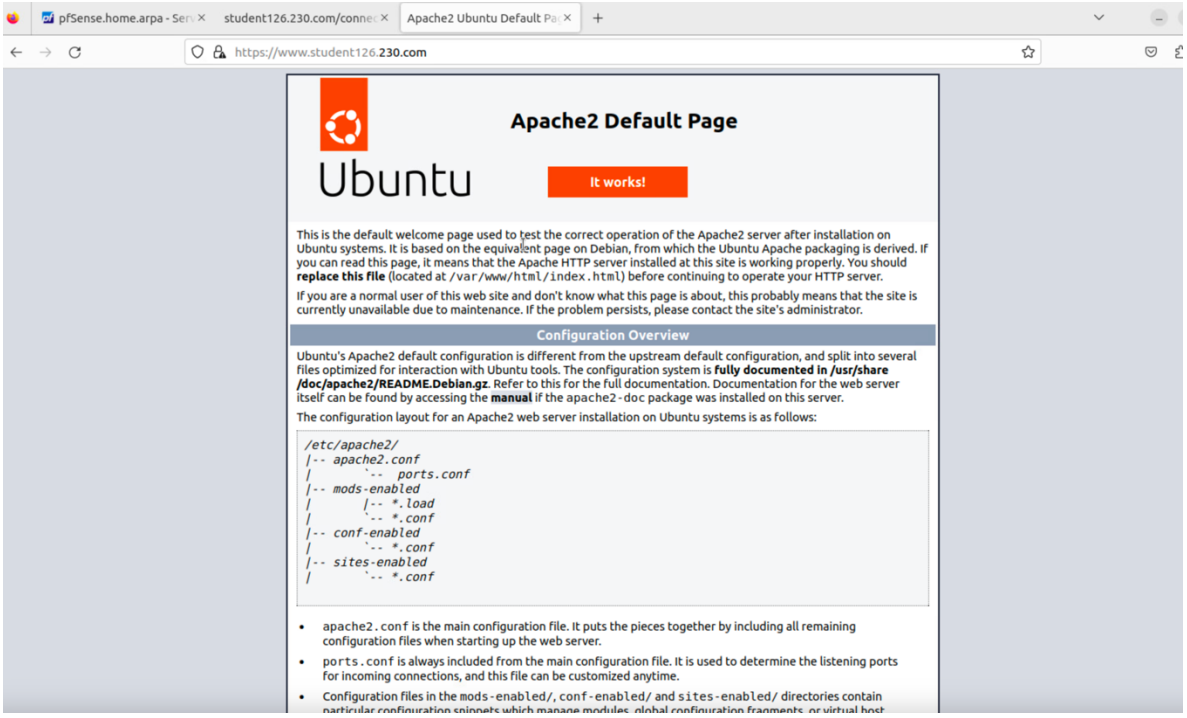
3. **Screenshot of one of the users logged into PHP web page via Firefox**
www.studentXX.230.com/login.php
(10 point



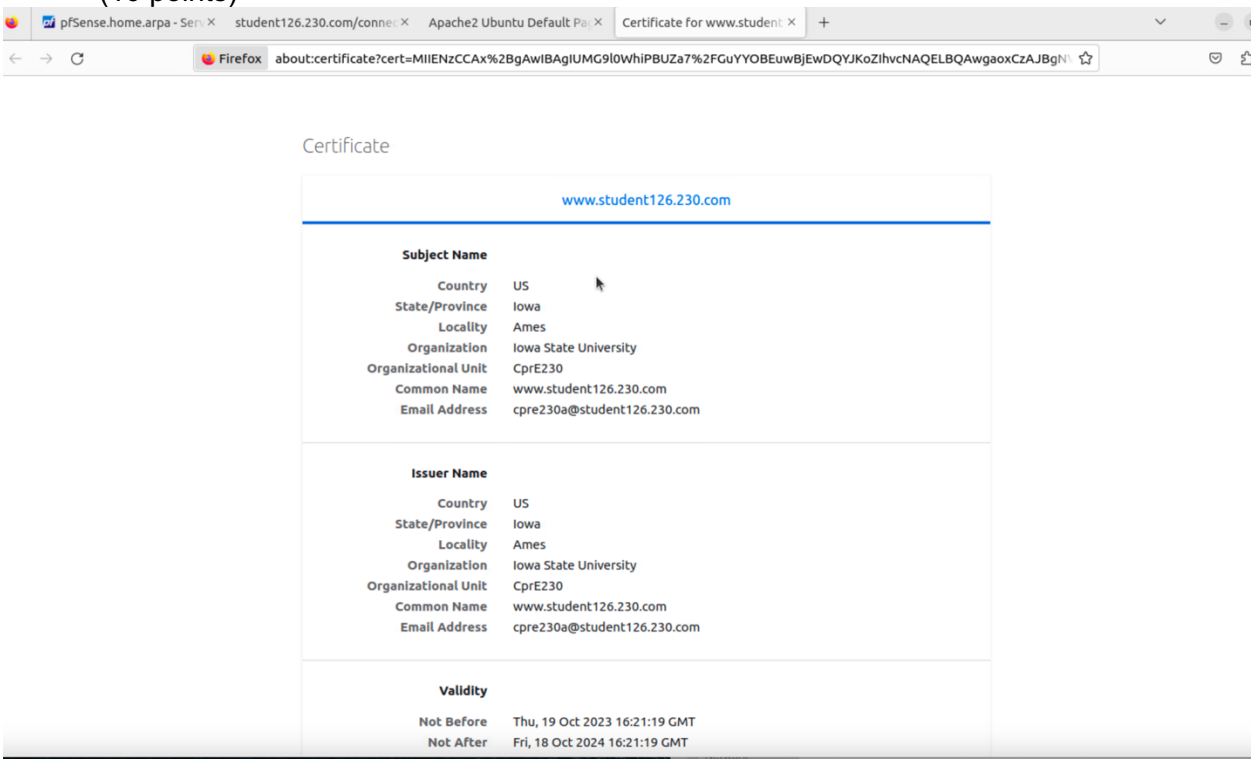
4. **Screenshot of Wireshark showing the plaintext password when logging in**
(5 points)



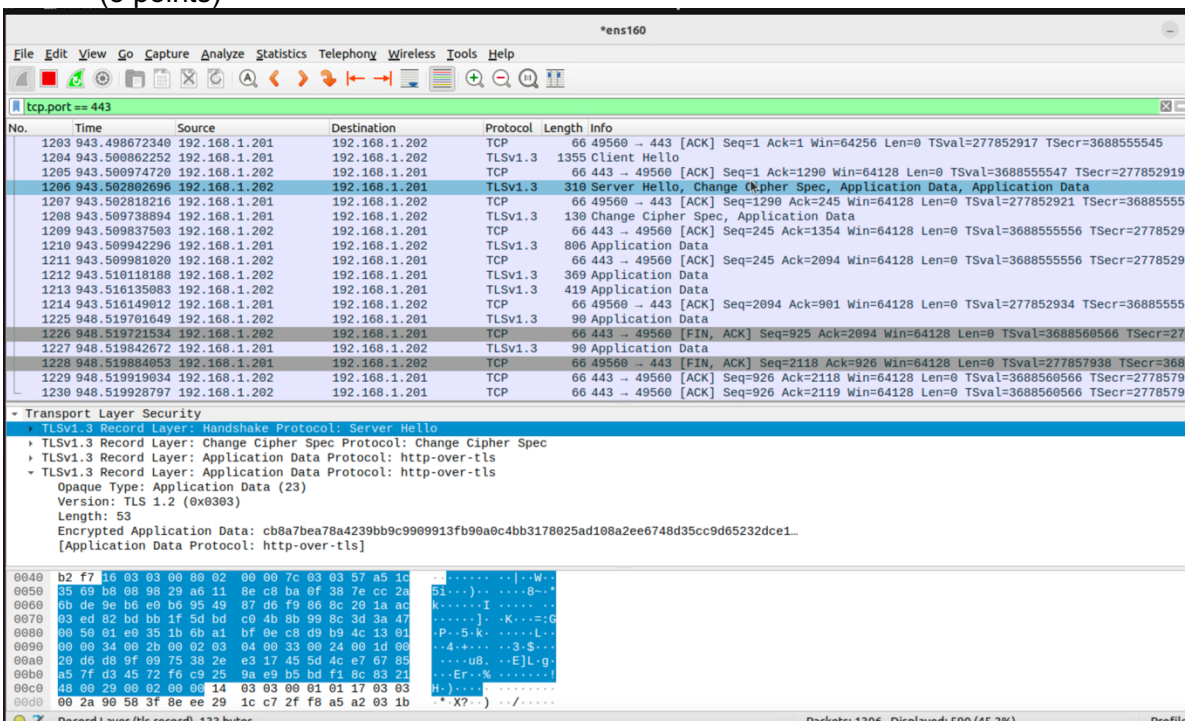
5. **Screenshot of the Apache default page on HTTPS via Firefox**
https://www.studentXX.230.com
(10 points)



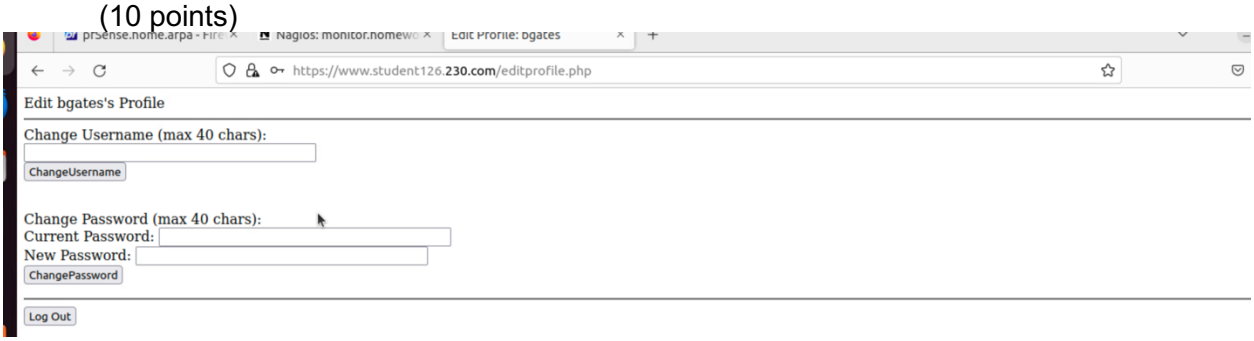
6. **Screenshot of the SSL certificate**
(10 points)



7. **Screenshot of Wireshark showing an encrypted packet when logging in** (5 points)



8. **Screenshot of the profile page, via Firefox**
https://studentXX.230.com/profile.php
(10 points)



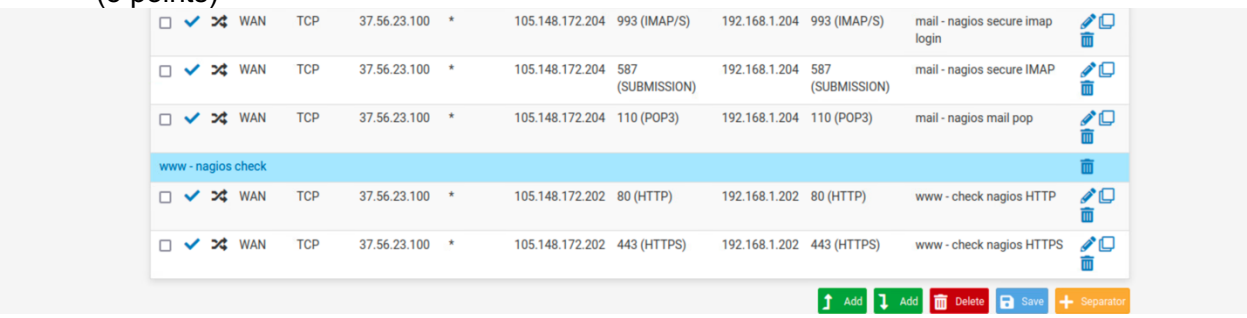
9. **Screenshot of the database, with changed username and password** (5 points)

```
mysql> select * from login_info.UsernamePassword
    -> ;
+------------+-------------+--------------+
| usernameID | username    | password     |
+------------+-------------+--------------+
|          1 | steve       | apple=doctor |
|          2 | bgates      | windowz      |
|          3 | mzuckerberg | IAmNotARobot |
|          4 | emusk       | TwitterisX   |
|          5 | jbezos      | Money^2      |
+------------+-------------+--------------+
5 rows in set (0.00 sec)
```

10. **Description of what SQL injection is, and how you might go about preventing it**
(10 points)

SQL injection allows attackers to access information that was no intended to be displayed by using a malicious SQL code.
A way to preventing outside attackers from using SQL injection by utilizing parametrized queries. This will be allow you use to reuse them for similar applications and wont need to create separate queries for each case.

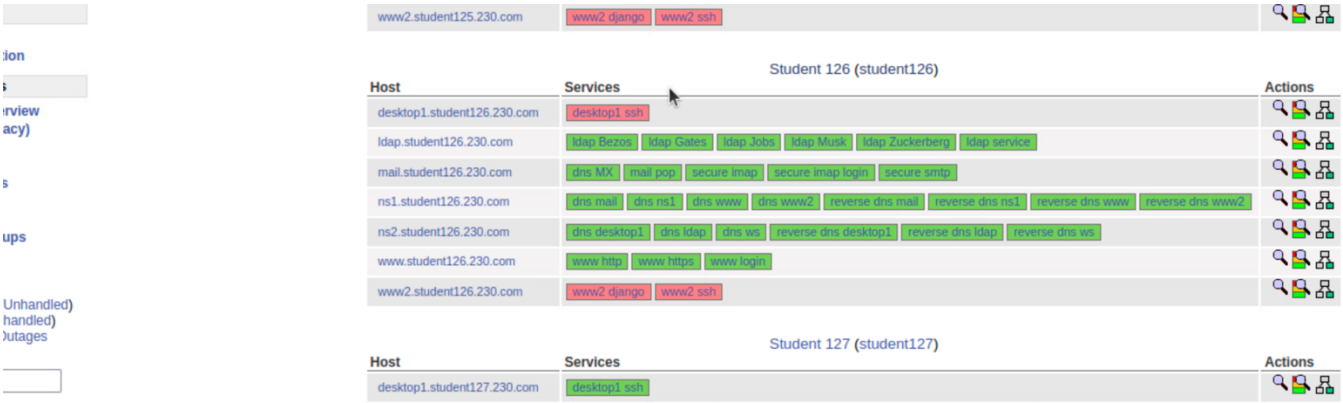
11. **Screenshot of NAT rule(s)**
(5 points)



	WAN	TCP	37.56.23.100	*	105.148.172.204	993 (IMAP/S)	192.168.1.204	993 (IMAP/S)	mail - nagios secure imap login	
	WAN	TCP	37.56.23.100	*	105.148.172.204	587 (SUBMISSION)	192.168.1.204	587 (SUBMISSION)	mail - nagios secure IMAP	
	WAN	TCP	37.56.23.100	*	105.148.172.204	110 (POP3)	192.168.1.204	110 (POP3)	mail - nagios mail pop	
www - nagios check										
	WAN	TCP	37.56.23.100	*	105.148.172.202	80 (HTTP)	192.168.1.202	80 (HTTP)	www - check nagios HTTP	
	WAN	TCP	37.56.23.100	*	105.148.172.202	443 (HTTPS)	192.168.1.202	443 (HTTPS)	www - check nagios HTTPS	

Add Add Delete Save Separator

12. **Screenshot of successful Nagios queries against web services.**
(10 points)



www2.student125.230.com	www2 django, www2 ssh

Student 126 (student126)

Host	Services
desktop1.student126.230.com	desktop1 ssh
ldap.student126.230.com	ldap Bezos, ldap Gates, ldap Jobs, ldap Musk, ldap Zuckerberg, ldap service
mail.student126.230.com	dns MX, mail pop, secure imap, secure imap login, secure smtp
ns1.student126.230.com	dns mail, dns ns1, dns www, dns www2, reverse dns mail, reverse dns ns1, reverse dns www, reverse dns www2
ns2.student126.230.com	dns desktop1, dns ldap, dns ws, reverse dns desktop1, reverse dns ldap, reverse dns ws
www.student126.230.com	www http, www https, www login
www2.student126.230.com	www2 django, www2 ssh

Student 127 (student127)

Host	Services
desktop1.student127.230.com	desktop1 ssh