



Let's look at how you would lease a subdomain from another student. Let's assume that the other student has purchased the domain 'utahtech.rocks'. You ask them to delegate the subdomain of 'apple'. Meaning, you will have control over the 'apple.utahtech.rocks' subdomain.

In order for this to occur, several things need to happen:

- You must ask the other student (the registrar) for a subdomain (apple).
- They must agree

You as the lessee will need to build a zone just like we have done in the other dns assignments as being authoritative for 'apple.utahtech.rocks' or the zone that another classmate has leased to you.

The registrar will have to insert glue records.

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```
root@ns1:/etc/bind# echo "I am assuming I am the registrar now"
```

```
I am assuming I am the registrar now
```

```
root@ns1:/etc/bind# echo "I now need to delegate the apple.utahtech.rocks subdomain to the other student"
```

```
I now need to delegate the apple.utahtech.rocks subdomain to the other student
```

```
root@ns1:/etc/bind# vi db.utahtech.rocks
```



```
db      IN      A       144.38.199.39
mail    IN      A       144.38.199.40

; this is teh one i added. Yours will be different.
@       IN      TXT     "zoho-verification=zb41385985.zmverify.zoho.com"

; adding my mx records
; don't forget the dot at the end of the fqdn
@       IN      MX      10      mx.zoho.com.
@       IN      MX      20      mx2.zoho.com.
@       IN      MX      50      mx3.zoho.com.

; add for SPF
@       IN      TXT     "v=spf1 include:zoho.com ~all"

; I will add the glue records here
apple  IN      NS      ns1.apple
apple  IN      NS      ns2.apple
ns1.apple  IN      A       144.38.199.36
ns2.apple  IN      A       144.38.199.37
```



```
root@ns1:/etc/bind# sudo service bind9 restart
```

```
root@ns1:/etc/bind# dig @localhost www.apple.utahtech.rocks A | grep 144
```

```
www.apple.utahtech.rocks. 86400 IN      A      144.38.199.38
```

```
root@ns1:/etc/bind# dig @8.8.8.8 www.apple.utahtech.rocks A | grep 144
```

```
www.apple.utahtech.rocks. 21600 IN      A      144.38.199.38
```

```
root@ns1:/etc/bind# echo "looks like it is working upstream. Yay, we have successfully completed this"
```

```
looks like it is working upstream. Yay, we have successfully completed this
```

```
root@ns1:/etc/bind#
```