

## Successful Packet:

```
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 1
Payload Length - 18
Payload - Payload Packet #1

End Packet ID - ffff
```

```
Packet #1 sent.
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 1
Payload Length - 18
Payload - Payload Packet #1

End Packet ID - ffff

Server Response.

ACK FOR PACKET# 1 HAS BEEN SENT FROM SERVER
```

## Out of sequence:

```
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 15
Payload Length - 18
Payload - Payload Packet #7

End Packet ID - ffff
```

```
Packet #7 sent.
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 15
Payload Length - 18
Payload - Payload Packet #7

End Packet ID - ffff

Server Response.

ERROR - REJECT PACKET RECEIVED.

REJECT PACKET SUB-CODE - fff4.

OUT OF SEQUENCE PACKET SENT.
```

## Length Mismatch:

```
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 8
Payload Length - 24
Payload - Payload Packet #8

End Packet ID - ffff
```

```
Packet #8 sent.
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 8
Payload Length - 24
Payload - Payload Packet #8

End Packet ID - ffff

Server Response.

ERROR - REJECT PACKET RECEIVED.

REJECT PACKET SUB-CODE - fff5.

LENGTH MIS-MATCH PACKET SENT.
```

## End of Packet Missing:

```
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 9
Payload Length - 18
Payload - Payload Packet #9

End Packet ID - 0
```

```
Packet #9 sent.
Start Packet ID - ffff
Client ID - ff
Packet Type - ff1
Segment # - 9
Payload Length - 18
Payload - Payload Packet #9

End Packet ID - 0

Server Response.

ERROR - REJECT PACKET RECEIVED.

REJECT PACKET SUB-CODE - fff6.

END OF PACKET ID MISSING.
```

## Duplicate Packet:

Payload - Payload Packet #7

End Packet ID - 0

Start Packet ID - ffff  
Client ID - ff  
Packet Type - ff1  
Segment # - 1  
Payload Length - 18  
Payload - Payload Packet #10  
End Packet ID - ffff

Packet #10 sent.  
Start Packet ID - ffff  
Client ID - ff  
Packet Type - ff1  
Segment # - 1  
Payload Length - 18  
Payload - Payload Packet #10  
End Packet ID - ffff

Server Response.

ERROR - REJECT PACKET RECEIVED.

REJECT PACKET SUB-CODE - fff7.

DUPLICATE PACKET SENT.

## Server Not Responding:

```
Packet #1 sent.  
Start Packet ID - ffff  
Client ID - ff  
Packet Type - ff1  
Segment # - 1  
Payload Length - 18  
Payload - Payload Packet #1
```

```
End Packet ID - ffff
```

```
Server Response.
```

```
ERROR - NO ACK RECEIVED FROM SERVER.  
RE-TRANSMITTING THE PACKET.
```

```
Packet #1 sent.  
Start Packet ID - ffff  
Client ID - ff  
Packet Type - ff1  
Segment # - 1  
Payload Length - 18  
Payload - Payload Packet #1
```

```
End Packet ID - ffff
```

```
Server Response.
```

```
ERROR - NO ACK RECEIVED FROM SERVER.  
RE-TRANSMITTING THE PACKET.
```

```
Packet #1 sent.  
Start Packet ID - ffff  
Client ID - ff  
Packet Type - ff1  
Segment # - 1  
Payload Length - 18  
Payload - Payload Packet #1
```

```
End Packet ID - ffff
```

```
Server Response.
```

```
ERROR - NO ACK RECEIVED FROM SERVER.  
RE-TRANSMITTING THE PACKET.
```

```
ERROR - SERVER NOT RESPONDING.
```

```
karanpradhan@Swapnils-MacBook-Pro-2 Assignment_1 %
```