

## Erik Stryshak

```
grammar transact2 ;
```

```
transaction : (deposit | withdraw)+ BYE ;
```

```
deposit      : ID DEPOSIT NUM  
              {System.out.println("Hey " + $ID.getText() + "  
              saving money eh?"); } ;
```

```
withdraw     : ID WITHDRAW NUM  
              {System.out.println($ID.getText() + " need some  
              cash?"); } ;
```

```
DEPOSIT      : 'dep' ;
```

```
WITHDRAW     : 'withdraw' ;
```

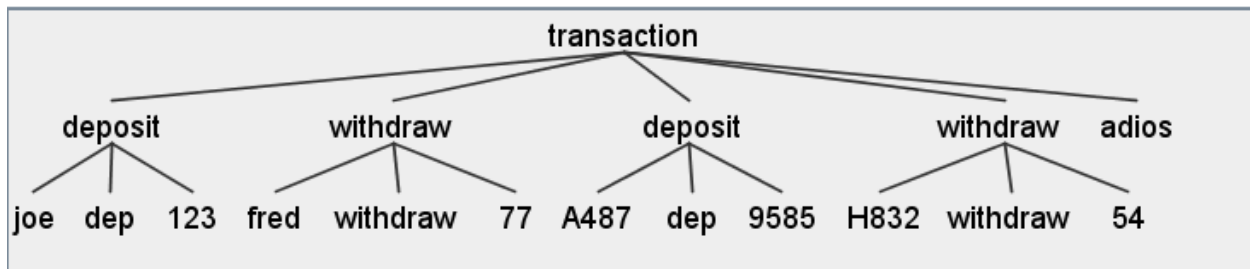
```
BYE          : 'bye' | 'solong' | 'seeya' | 'later' | 'adios' ;
```

```
NUM          : DIGIT+ ;
```

```
DIGIT        : [0-9] ;
```

```
ID          : [a-z]+ | [A-Z] DIGIT DIGIT DIGIT ;
```

```
WS          : [ \r\n\t]+ -> skip ;
```



```
C:\Users\Rik\Desktop\Programming_Languages\transact2>grun transact2 transaction -gui
```

```
joe dep 123
```

```
fred withdraw 77
```

```
A487 dep 9585
```

```
H832 withdraw 54
```

```
adios
```

```
^Z
```

```
Hey joe, saving money eh?
```

```
fred need some cash?
```

```
Hey A487, saving money eh?
```

```
H832 need some cash?
```