COMP 410 Spring 2018

More Higher-Order Mercury Procedures

1.) Write a procedure named partition, which acts like filter, except that it also returns a list of the elements on which the predicate failed. Be sure to write appropriate pred and mode annotations. An example query is shown below:

2.) Consider the following pred and mode annotations for an unseen (but implemented) procedure named checkSomething:

```
:- pred checkSomething(int).:- mode checkSomething(in) is semidet.
```

Consider the following list: [1, 2, 3, 4, 5]. Write a call to partition that uses checkSomething to split this list into two partitions.