```java
//2017.Final

import java.util.HashMap;

public class RentalService {
  private Map<Integer, Customer> customers;
  private Map<Integer, Movie> movies;

  public RentalService() {
    customers = new HashMap<Integer, Customer>();
    movies = new HashMap<Integer, Movie>();
  }

  public void addCustomer(Customer c) {
    customers.put(c.getID(), c);
  }

  public void addMovie(Movie m) {
    movies.put(m.getId(), m);
  }

  public Customer getCustomer(int i) {
    return customers.get(i);
  }

  public Movie getMovie(int i) {
    return movies.get(i);
  }

  public void rentMovie(int cID, int mID) {
    Customer c = getCustomer(cID);
    Movie m = getMovie(mID);
    if (c.getCredit() > m.getCost()) {
      c.rent(m.getCost());
      System.out.println(c.getName() + " rented " + m.getTitle() + " and has " +
  c.getCredit() + " credits remaining");
    } else {
      System.out.println(c.getName() + " did not have enough credits to rent " +
  m.getTitle());
    }
  }
}
```