

### **3C05 Advanced Software Engineering**

#### **Problem Class 5: extreme Programming**

1. Define the meaning of the following concepts:
  - Pair programming
  - Test first
  - User story
  - Refactoring
  - Spike solution
  - Project velocity
2. Assume XP is used in the NewRes project to develop a new hotel reservation system for the UnterContu chain of hotels. The users have written their user stories, some of which are included below:
  - NewRes supports direct enquiries of guests for room availability over the Internet using a Web browser. Guests can select a particular hotel, dates, room preference (single, double, twin, suite, non-smoking, smoking) and the system will inform about room availability and prices.
  - If rooms are available, guests can reserve a room use aWeb browser. They provide their credit card details over a secure connection and receive a confirmation that they can print.
  - Guests can amend a previous reservation over the Web. They provide their reservation number and can then change the dates and room category for which the booking is held.

Begin the design of the system based on the above user stories.
3. Would you consider introducing techniques of eXtreme Programming into the Unified Software Development Process? Which ones would you choose and why?