

## Crossover Project Descriptions

### HEALTH FOODS

#### Clients/Tutors:

The client is a health food freak, who lives an extremely busy life, and doesn't have time to shop or to check 'dietary requirements'. But they have a wonderful idea. They wish to introduce a 'soft' recipe book, which knows about a number of recipes together with the required ingredients and dietary composition. The client merely has to pick a number of recipes for the week, and the system checks whether the ingredients are in stock, and, if not, automatically orders them from a food warehouse built specially for the yuppie gourmet. It also warns the client if prespecified dietary requirements are not being met.

### THEATRE BOOKINGS

#### Clients/Tutors:

The client is a small but active theatre group, who would like a computerized seat booking system. They put on a number of plays each month, and customers are allowed to book specific seats as far in advance as is required. Customers will generally wish to book seats as close together as possible. The theatre group try to promote audience participation in some of their productions, and so prefer to fill seats near to the front of the auditorium.

### STOCK CONTROL

#### Clients/Tutors:

The client operates a manufacturing company, which makes many different products using many different components and raw materials. The company has an orderbook, which determines the products to be made over the next few months, and it attempts to maintain sufficient stock of components and raw materials to cover these. However, it has a limited amount of storage space, and different goods require different amounts of space. The company wishes to automate its stock control system and the processing of the associated transactions, taking the above requirements into account.

### TENNIS TOURNAMENT

#### Clients/Tutors:

The client is an ambitious tennis club, which would like a computer system to help it organise and run its annual tennis tournament (not quite as prestigious as Wimbledon, but organised along the same lines). Interesting words to start you thinking are: entries, seeds, doubles, courts, time, rain, winners. Try not to be distracted by visions of strawberries and cream!