

# Episode 4: Shopping Pick and Pack

*Technical Committee*

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## Episode Description

This episode addresses the problem of delivering customised orders. The domain chosen is the operation of an online fulfilment using robotic product pick and pack. Each customer order includes a limited number of items from a range of packaged products, such as a pack of dry pasta, or a container of honey. An order processing system assigns the task to collect the requested items from the shop shelves and to put them into a delivery area. The robot delivers the product to a delivery area.

## Pre-competition information

- Ocado Technology would like to reveal five shopping items ahead of the competition.
- During the actual competition, there'll be a set of new items added to the shopping list that the participating teams need to handle on the fly.
- The competition area for episode 4 will be set up with all the shopping items (both the ones revealed and the new ones). There is no need for the teams to bring any shopping items.

## Pre-competition shopping items list

Item No	Product	Weight (g)	Packaging type
1	<a href="#">Bottled water</a>	500	Plastic bottle
2	<a href="#">Dried Penne pasta</a>	500	Packet
3	<a href="#">Breadsticks</a>	125	Cardboard Box
4	<a href="#">Rice Cakes</a>	112	Cylinder
5	<a href="#">Honey</a>	340	Small bottle

All the best to the competing teams 👍

Look forward to meeting you in person in September in Milton Keynes, UK 😊