# IS3312: Project 2021/2022

**Title: ACME Trading Company**

**Due Date: Friday December 3rd by 4.00PM**

**Where: Projects submitted on Canvas**

**Marks: Project is worth 30% of total year marks**

**NOTE: When submitting on canvas, file name MUST BE:**

**Surname-Studentnumber-is3312.zip**

**THIS IS AN INDIVIDUAL PROJECT**

# The Story – Part 1

After a stellar career as an IT analyst for E-Corp in New York, you decide that it might be time to make a go of it at home. You have a few quid saved, so you head back to your home town of Midleton.

One night, while watching Dublin beat Cork yet again in the All-Ireland hurling final, you run into an old friend from your class, who is just back from working as a quantitative analyst at a bank in London. After discussing the relative merits of java and C++, you decide to go into business together.

The problem is, you can’t decide what your business should be. You both agree it should be retail – of some form, but you can’t agree on what product to sell. You decide to randomly decide what your site will sell, so you have a look at the separate project table, and you find the product you need to sell.

*Have a look to see what your site is selling!*

# Outline Requirements

Users to the site will either be administrators, registered customers or anonymous users. Administrators can edit new users, update existing users and remove or disable users.

The site deals in some group of products. What are the characteristics of these products? Each product should have at least six attributes, including name, description and type – the type will be some sub grouping of the products. For example, if the product was soap, the types could be perfumed, non-perfumed and clinical. There has to be at least **three attributes that are specific to the product type you are selling.**

Administrators will set up these products, and can allocate delivery charges etc.

Administrators will probably want to keep track of stock in the future.

Anybody can browse, but to shop you need to be logged in. Registered users can select products, add them to their basket, select delivery options and purchase.

Administrators can check a number of reports, including checking on inventory levels, total sales and user activity.

# First Deliverables:

1. A Use case diagram(s) for the above requirements
2. UML Class Diagram for a model to capture the above information. This diagram should have the attributes of the main elements of the above requirements
3. An implementation in java of the class diagram – this will be your domain model.
4. Balsamiq or paper (take photos) prototype of site – just a few pages
5. A Html/CSS/Javascript prototype of the web application
6. A basic implementation of the site application using Java/Servlets/JSP
7. Log in function to user or admin pages
8. Product Home Page
9. Product browse
10. Add to cart
11. Checkout

Submit as a zip file, with the following directory structure:

UML(a,b)

MODEL(c)

PROTOTYPE(d)

WEB(e)

APP(f-k)

|  |  |
| --- | --- |
| 119492972 | Stringed Orchestral Instruments |
| 119317421 | Cars |
| 119328723 | Wallets |
| 119468642 | Headphones |
| 119399711 | Guitars |
| 119347226 | Running Equipment |
| 119445304 | Vintage Clothing |
| 119452626 | Dog Toys |
| 119461574 | Festival Supplies |
| 119749599 | Clothes for Tall People |
| 119485214 | Sunglasses |
| 119386933 | VW Campervans |
| 119445354 | Bags/Purses |
| 119484662 | Dragon Themed Things |
| 119372976 | Swimming Tops |
| 119388953 | Eye Glasses |
| 119425694 | Fridges/ Freezers |
| 119469042 | Food Mixers/Blenders |
| 119398713 | Jars of Candy |
| 119469334 | Giant Games |
| 119357811 | Glow Sticks |
| 119399523 | Inflatable Castles |
| 119390316 | Playing Cards |
| 118440622 | Kites |
| 119388731 | Remote Controls |
| 119490974 | Mining Equipment |
| 119402282 | Shoes |
| 119332846 | Candles |
| 119432732 | Basketball Apparel |
| 119301656 | Christmas Themed Clothes |
| 119422516 | Kitchen Equipment |
| 119380771 | Dolls Houses |
| 119401452 | Garden Lights |
| 119360071 | Flowers |
| 119330503 | Cats |
| 119365941 | Home Décor |
| 119451216 | Paint Supplies |
| 119337506 | Science Kits for Kids |
| 119456742 | Biscuit's R Us |
| 118394856 | Lamps |
| 119749409 | Squash Gear / Rackets |
| 119308691 | Soccer Supplies |
| 119452216 | Art Prints |
| 119361486 | Cameras |
| 119322916 | Jewellery |
| 119317426 | Runners |
| 119376013 | Knifes and Forks |
| 119393221 | Sailing Boats |
| 119409042 | Makeup |
| 119397156 | Hair Grooming Kits |
| 119319873 | House Plants |
| 118355816 | Pinball Machines |
| 119364246 | Tennis Gear / Rackets |
| 119487442 | DIY Equipment |
| 119426714 | Balloons |
| 119472154 | Board Games |
| 119330356 | Socks |
| 119331551 | Vintage Sports Jerseys |
| 119348066 | Chocolate |
| 119449136 | Robots |
| 119482774 | Pasta Making Machines |
| 119301121 | Watches |
| 119373696 | Road Maps |
| 119349781 | Laptops/PCs Tech |
| 119478932 | Watches |
| 119376016 | Clocks |
| 119717661 | Shirts / Ties |
| 119317051 | Laptops |
| 119326143 | USB Sticks |
| 119340463 | Oriental Cooking Supplies |
| 119357686 | Vinyl Records |
| 118342143 | Health Supplements |
| 119487332 | Hurling Supplies |
| 119381453 | Caravans |
| 119392993 | Fencing Sport Equipment |
| 119732651 | Bath Supplies |
| 119345113 | Pet Spiders |
| 119428062 | Fancy Dress Outfits |
| 119469642 | Hair Products |
| 119456726 | Skiiing Gear |
| 119303443 | Fantasy Weapons |
| 119423796 | Diving Equipment |
| 119387806 | Makeup |
| 119352596 | Magnets |
| 119483646 | Squash Equipment |
| 119747899 | DJ Equipment |
| 119505363 | Antique Books |
| 119472906 | Vintage Clothing |
| 119435344 | Camping Gear |
| 119436614 | Car Cleaning Products |
| 119330403 | Road Signs |
| 119433684 | Cycling Equipment |
| 119325553 | Children’s Toys |
| 119480742 | Posters |
| 119420092 | Spice Mixes |
| 119375921 | Sports Supplements |
| 119443462 | Cars |
| 119354703 | Bee Keeping Equipment |
| 119304173 | Vacuum Cleaners |
| 119336993 | Microscopes and lab equipment |
| 119507043 | Ear Rings |
| 119319091 | Candles |
| 119371846 | Perfume |
| 119432256 | Astronomy Maps |
| 118428076 | Motorbikes |
| 119374073 | Tennis Rackets |
| 119480112 | Fishing Equipment |
| 119418036 | Printers/Copiers |
| 119491174 | Playground Equipment |
| 119382731 | Gaming Consoles |
| 119458804 | Purses |
| 116450922 | Umbrellas |
| 119411842 | Soft Toys |
| 119456214 | First Aid Kits |
| 119383391 | Boxes of Cookies |
| 119353916 | Golf Clubs |
| 119341646 | Flower Seeds |
| 119365786 | Karaoke Machines |
| 119451814 | Laptop Bags |
| 119426526 | Tennis Supplies |
| 119487196 | Solar Panels |
| 119472504 | Jam Making Equipment |
| 119441472 | Phones |
| 119391973 | Flip Flops |
| 119362163 | Art Supplies |
| 119401062 | Circus Supplies |
| 119357053 | New Age Miscellaneous |
| 118338666 | Pianos |
| 119440092 | Headphones |
| 117440204 | Stationery |
| 119409774 | Archery Equipment |
| 119336113 | Origami Kits |
| 119490116 | Carpentry Tools |
| 119412544 | Retro Sports Clothes |
| 119438956 | Football Boots |
| 119396633 | Perfumes |
| 119364951 | Poker and Gambling Sets |
| 119741441 | Antique Books |
| 119367006 | Kite Surfing Equipment |
| 119362726 | Fountain Pens |
| 119472416 | Star Trek Fan Shop |
| 119361811 | Star Wars Fan Shop |
| 119370093 | Marvel Fan Shop |
| 119433052 | Rare Imported Trainers |
| 119356903 | Surfing Gear |
| 119452424 | Travel Essentials |
| 119335083 | Office Equipment |