

Project Idea	Project Description	TA
Middle East Broadcasting Center (MBC group)	<p><a href="http://www.mbc.net/en/corporate/about-us.html">http://www.mbc.net/en/corporate/about-us.html</a></p> <p>MBC Group (Middle East Broadcasting Center) is the largest and leading private media company in the Middle East &amp; North Africa region that enriches people’s lives through information, interaction and entertainment. In 2002, nearly a decade after the launch of MBC1 in London, back in 1991, and as the 1st private free-to-air Arab satellite TV channel, MBC Group moved its headquarters to Dubai Media City, United Arab Emirates, where it remains .</p> <p>Today, MBC Group includes 18 TV channels: MBC1 (general family entertainment); MBC2 and MBC MAX (24-hour western movies); MBC3 (children’s edutainment with a mix of both local productions and western acquisitions); MBC4 (entertainment for young families with a female-focus); MBC Action (an indigenous adrenaline-packed channel targeting young males with local and homegrown productions); MBC Variety (Western films and general entertainment with uninterrupted broadcasting); Al Arabiya News Channel (24-hour Arabic language news channel); Al Hadath (an extension of Al Arabiya News Channel with a specific focus on real events in the Arab world and beyond); Wanasah (24-hour Arabic music channel); MBC DRAMA (24/7 Arabic drama); MBC MASR (general family entertainment geared towards the Egyptian family); MBC + Drama (a joint paid-for channel between MBC and OSN); MBC Bollywood (delivering the freshest in Bollywood content geared towards the region via an Arabized interface); and most recently four sports channels, MBC PRO SPORTS (geared towards the “Saudi Football Premier League” fans in the Kingdom.</p> <p>In July 2011, seven channels within MBC Group began to broadcast in HD across the MENA Region: MBC1 HD, MBC2 HD, MBC4 HD, MBC Action HD, MBC Drama HD, MBC Max HD and Al Arabiya HD. In 2013, MBC3 HD joined the bouquet of HD channels followed by MBC Variety HD in 2014 .</p> <p>MBC Group also includes two FM radio stations: MBC FM (Gulf music) and Panorama FM (contemporary Arabic hit music); as well as O3 Productions, a premium content drama production company. Furthermore, MBC Group includes online platforms: <a href="http://www.mbc.net">www.mbc.net</a>, <a href="http://www.alarabiya.net">www.alarabiya.net</a>, <a href="http://www.shahid.net">www.shahid.net</a> (the first free VOD and catch-up portal in the Arab world) and <a href="http://www.actionha.net">www.actionha.net</a>, and <a href="http://www.mbcprosports.net">www.mbcprosports.net</a> among others.</p>	Shaimaa

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Facebook	<p><a href="https://www.facebook.com">https://www.facebook.com</a></p> <p>An American for-profit corporation and online social media and social networking service based in Menlo Park, California.</p> <p>Facebook may be accessed by a large range of desktops, laptops, tablet computers, and smartphones over the Internet and mobile networks. After registering to use the site, users can create a user profile indicating their name, occupation, schools attended and so on. Users can add other users as "friends", exchange messages, post status updates and digital photos, share digital videos and links, use various software applications ("apps"), and receive notifications when others update their profiles or make posts. Additionally, users may join common-interest user groups organized by workplace, school, hobbies or other topics, and categorize their friends into lists such as "People From Work" or "Close Friends". In groups, editors can pin posts to top. Additionally, users can complain about or block unpleasant people. Because of the large volume of data that users submit to the service, Facebook has come under scrutiny for its privacy policies. Facebook makes most of its revenue from advertisements which appear onscreen.</p> <p><u>Services:</u></p> <ul style="list-style-type: none"><li>• User profile/personal timeline</li><li>• News Feed</li><li>• Like button</li><li>• Following</li><li>• Notes</li><li>• Chat</li><li>• Gifts</li><li>• Marketplace</li><li>• Messaging</li><li>• Voice calls</li><li>• Video calling</li><li>• Video viewing</li></ul>	Shaimaa

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ERP	<p>Enterprise resource planning (ERP) is the integrated management of core business processes, often in real-time and mediated by software and technology. These business activities can include:</p> <ul style="list-style-type: none"><li>• product planning, purchase</li><li>• production planning</li><li>• manufacturing or service delivery</li><li>• marketing and sales</li><li>• materials management</li><li>• inventory management</li><li>• shipping and payment</li><li>• finance</li></ul> <p>ERP is usually referred to as category of business-management software—typically a suite of integrated applications—that an organization can use to collect, store, manage and interpret data from these many business activities.</p> <p>ERP provides an integrated and continuously updated view of core business processes using common databases maintained by a database management system. ERP systems track business resources—cash, raw materials, production capacity—and the status of business commitments: orders, purchase orders, and payroll. The applications that make up the system share data across various departments (manufacturing, purchasing, sales, accounting, etc.) that provide the data. ERP facilitates information flow between all business functions and manages connections to outside stakeholders.</p> <p><u>Functional areas</u></p> <p>An ERP system covers the following common functional areas. In many ERP systems these are called and grouped together as ERP modules:</p> <ul style="list-style-type: none"><li>• Financial accounting: General ledger, fixed asset, payables including vouchering, matching and payment, receivables cash application and collections, cash management, financial consolidation</li><li>• Management accounting: Budgeting, costing, cost management, activity based costing</li><li>• Human resources: Recruiting, training, rostering, payroll, benefits, retirement and pension plans, diversity management, retirement, separation</li><li>• Manufacturing: Engineering, bill of materials, work orders, scheduling, capacity, workflow management, quality control, manufacturing process, manufacturing projects, manufacturing flow, product life cycle management</li><li>• Order Processing: Order to cash, order entry, credit checking, pricing, available to promise, inventory, shipping, sales analysis and reporting, sales commissioning.</li><li>• Supply chain management: Supply chain planning, supplier scheduling, product configurator, order to cash, purchasing, inventory, claim processing, warehousing (receiving, putaway, picking and packing).</li><li>• Project management: Project planning, resource planning, project costing, work breakdown structure, billing, time and expense, performance units, activity management</li><li>• Customer relationship management: Sales and marketing, commissions, service, customer contact, call center support — CRM systems are not always considered part of ERP systems but rather Business Support systems (BSS)</li><li>• Data services: Various "self-service" interfaces for customers, suppliers and/or employees</li></ul> <p>For more examples <a href="https://en.wikipedia.org/wiki/List_of_ERP_software_packages">https://en.wikipedia.org/wiki/List_of_ERP_software_packages</a></p>	Shaimaa

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<b>Opera House Booking</b>	<p><a href="http://www.cairoopera.org/?lan=En">http://www.cairoopera.org/?lan=En</a></p> <p>The Cairo Opera House is a cultural landmark renowned for leadership, excellence and imagination. It has carved itself a significant place in the cultural landscape of Egypt and the Middle East. Its mission is to:</p> <ul style="list-style-type: none"> <li>- Provide first-class productions of ballet, operatic and symphonic works.</li> <li>- Encourage cooperation with other opera companies and orchestras.</li> <li>- Discover and develop the most talented young artists in Egypt.</li> <li>- Support learning, innovation and creativity.</li> <li>- Provide excellent venues, facilities and services to both artists and the audience.</li> </ul> <p>With its appealing mix of high-quality cultural events and its unique venues and state-of-the-art facilities the Cairo Opera House is exceptionally well-suited to fulfill its mission and become a symbol of art and culture in Egypt and the world.</p> <p>Opera House companies are frequently sent on tours to different Egyptian governorates to give the people in urban areas the chance to see national and international art performances.</p> <p>Online reservation:  <a href="http://www.cairoopera.org/reservation.php">http://www.cairoopera.org/reservation.php</a></p>	<b>Shaimaa</b>

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<b>International Pharmaceutical Company</b>	<p><a href="http://en.sanofi.com/">http://en.sanofi.com/</a></p> <p>Sanofi S.A. is a French multinational pharmaceutical company headquartered in France. Sanofi engages in the research and development, manufacturing and marketing of pharmaceutical drugs principally in the prescription market, but the firm also develops over-the-counter medication. The company covers seven major therapeutic areas: cardiovascular, central nervous system, diabetes, internal medicine, oncology, thrombosis and vaccines (it is the world's largest producer of the latter through its subsidiary Sanofi Pasteur).</p> <p>The system should keep track of:</p> <ol style="list-style-type: none"> <li>1. Partners</li> <li>2. Branches</li> <li>3. Employees</li> <li>4. Suppliers</li> <li>5. Products</li> <li>6. Research</li> <li>7. ....and so on</li> </ol> <p>Egypt's branch:  <a href="http://www.sanofi.com.eg/l/eg/en/index.jsp">http://www.sanofi.com.eg/l/eg/en/index.jsp</a></p>	<b>Shaimaa</b>

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Online Market Place (i.e. Amazon, sooq.com)	<p><b>Amazon Marketplace</b> is an e-commerce that enables third-party sellers to sell new and used products on Amazon.com Amazon’s regular offerings.</p> <p>Items purchased on Amazon from third-party sellers are either Fulfilled By Merchant (FBM) or Fulfilled By Amazon (FBA). FBM goods are kept in the third-party seller's inventory, and shipping and customer service are handled by the third-party merchant. FBA goods are stored in Amazon's fulfillment centers, and shipping and customer service are handled by Amazon.</p> <p>Amazon charges its third-party merchants a referral fee for each sale which is a percentage of the sales price, usually 15%, but less in some categories. Additionally, sellers using Fulfillment by Amazon must pay FBA fees which include a pick, pack and weight charge.</p> <p>The Marketplace is available on Amazon sites in over 60 countries. Amazon also offers international shipping to certain other countries for some of its products. Every time a customer places an order via the Shopping Cart, you can choose to either group your items into as few shipments as possible or else ship each item as it becomes available.</p> <p>Amazon.com accepts a variety of payment options, including credit card, debit card, checking account, gift card, etc.</p> <p>Amazon.com's product lines available at its website include several media (books, DVDs, music CDs, videotapes and software), baby products, consumer electronics, beauty products, gourmet food, groceries, health and personal-care items, industrial &amp; scientific supplies, kitchen items, jewelry, watches, lawn and garden items, musical instruments, sporting goods, tools, automotive items and toys &amp; games. Each of these products has its own information and attributes.</p> <p>Amazon allows users to submit reviews to the web page of each product. Reviewers must rate the product on a rating scale from one to five stars. Customers may comment or vote on the reviews, indicating whether they found a review helpful to them.</p> <p>Customers can return many items sold on Amazon.com. When a customer returns an item, his <b>refund</b> and how his refund is issued may differ based on the condition of the item, how long he has had the item and how the item was purchased. Customer may choose his preferred refund method (credit card, gift card, checking account, etc.).</p> <p>Amazon offers different kinds of Deals (promotions) include the following:</p> <ul style="list-style-type: none"><li>• <b>Deals of the Day:</b> A single item or small set of closely related items discounted for one day only.</li><li>• <b>Savings and Sales:</b> A selection of discounted items and ongoing promotions from across Amazon.com.</li><li>• <b>Lightning Deals:</b> A single item paired with a limited quantity of extra savings coupons, available for the time period stated or until all coupons are used.</li></ul> <p>Customers can purchase items featured in different Today's Deals sections on the same day. For example, you could purchase a Deal of the Day and a Lightning Deal.</p>	Naglaa

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elmenus (Cairo Restaurant Menus)	<p>With the vision to help people decide what to eat, elmenus is building a comprehensive food discovery platform that currently includes over 1,500 digitized restaurant menus with over 150,000 dishes to choose from.</p> <p>by elmenus, users can discover great food, whether they want to order delivery or look for restaurants to dine out. Each restaurant might have multiple branches across different locations</p> <p>Restaurants are classified by the cuisine they provide, for example (but not limited to):</p> <ul style="list-style-type: none"><li>• Chinese,</li><li>• oriental,</li><li>• seafood,</li><li>• Lebanese,</li><li>• Bakeries,</li><li>• etc.</li></ul> <p>The restaurant menu may be divided into sections, for example (but not limited to):</p> <ul style="list-style-type: none"><li>• Appetizers,</li><li>• breakfast,</li><li>• Salad,</li><li>• Pasta,</li><li>• Dessert,</li><li>• etc.</li></ul> <p>whereas a list of dishes is provided with their prices for each menu section.</p> <p>Different features may be available by different restaurants, for example (but not limited to):</p> <ul style="list-style-type: none"><li>• WIFI,</li><li>• outdoor,</li><li>• no smoking area,</li><li>• shisha,</li><li>• etc.</li></ul> <p>Users can sign up with a new account on the application and provide their reviews on different restaurants as well as rates (1, 2, 3, etc.) on different dishes in the restaurant.</p>	Naglaa

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Conference Management System	<p>Academic conferences help to exchanging research ideas between. Conference Management system is an online system to support the organization, management, and control of academic conferences.</p> <p>The system supports three types of user groups:</p> <ul style="list-style-type: none"><li>• Program chair: The person who makes the overall decisions including assigning papers to reviewers.</li><li>• Reviewer: Reviewer is a member of the program committee assigned by the chair to review authors' submissions.</li><li>• Author: The person who submits abstracts and full papers.</li></ul> <ol style="list-style-type: none"><li>1. The system should allow its users (chair, reviewer and author) to sign in using their user name and password.</li><li>2. The system should allow the chair to submit basic conference information, which includes conference name, URL, subtitles, and main organizer's contact information.</li><li>3. The system should allow the chair to set and modify the deadline for paper submission, paper review, acceptance notification, and the uploading of accepted paper</li><li>4. The system should allow the chair to set up the topics of interest for the conference.</li><li>5. The system should allow authors to submit an abstract of a paper in addition to the paper title, authors, their emails, addresses, keywords, and the topic of interest that applies to their paper.</li><li>6. The system should allow authors to upload the full paper in a specific format (e.g. PDF file or Word file).</li><li>7. The system should allow reviewers to specify the topics that falls into his/her area of expertise.</li><li>8. The system should be able to assign papers to reviewers automatically.</li><li>9. The system should allow a reviewer to submit an evaluation of a paper that was assigned to him/her.</li><li>10. The system should allow the chair to make the final decision on accepting or rejecting a specific paper.</li><li>11. The system should allow the chair to assign an accepted paper to a specific conference session.</li></ol>	Naglaa

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<p><b>The Health Insurance Organization (HIO)</b></p>	<p>The HIO is an independent government organization that delivers health care services through its own network of hospitals, clinics, and pharmacies, as well as through contracting private sector providers.</p> <p>The HIO is organized into regional branches. Each of the regional branches covers a number of governorates. (for example, “Cairo” branch covers Cairo governorate. while “North West Delta” branch covers Alexandria, Behaira, Matrooh governorates, etc.)</p> <p>The HIO provides its services to a category of beneficiaries (including government, public, and private sector employees, pensioners, widows, and school children) which are distributed across different regional branches.</p> <p>The Health Insurance Organization is primarily funded through a system of premiums and copayments for services rendered as shown below:</p> <p style="text-align: center;"><b>Beneficiary Premiums and Co-payments</b></p> <table border="1" data-bbox="328 554 1365 1152"> <thead> <tr> <th>Beneficiary Group</th><th>Salary Contribution</th><th>Benefits and Co-payments</th></tr> </thead> <tbody> <tr> <td>Government employees (Law 32)</td><td>Employer 1.5%; Employee 0.5%</td><td>Complete with co-payment GP visit: LE 0.05 Specialist: LE 0.10 Home visit: LE 0.20 Inpatient day: LE 0.25-LE 0.50 Lab test: 25%, maximum of LE 1 Clinic service: 25%, maximum of LE 1 Prescription: LE 1 Prosthetics: 50%</td></tr> <tr> <td>Government employees (Law 79)</td><td>Employer 3% Employee 1%</td><td>Complete coverage, no co-payments</td></tr> <tr> <td>Public/private sector employees (Law 79)</td><td>Employer 3%  Employee 1%</td><td>Complete coverage, no co-payments</td></tr> <tr> <td>Pensioners and widows</td><td>1% of base pension</td><td>Complete coverage, no co-payments</td></tr> <tr> <td>Labor accident cases</td><td>Employer 1%</td><td>Complete coverage, no co-payments</td></tr> <tr> <td>Students</td><td>Student: LE 4</td><td>Complete coverage</td></tr> <tr> <td></td><td>Cigarette tax: LE 0.10 per packet  Ministry of Finance: LE 12 per student</td><td>33% co-payment for drugs for outpatient care. No co-payment for inpatient care and chronic diseases</td></tr> </tbody> </table> <p><small>Source: HIO</small></p> <p>The regional branches run a network of hospitals, clinics, and pharmacies, that provide services to beneficiaries. Beneficiaries must all enroll with an HIO-designated general practitioner, who can provide treatment or refer patients to HIO specialists. Consultation with specialist without referral from a general practitioner is not permitted. physicians could be permanently employed at HIO or contracted. Visits of beneficiaries across different HIO hospitals with different physicians should be recorded (visit date, Days of stay, cost, service provided, etc).</p>	Beneficiary Group	Salary Contribution	Benefits and Co-payments	Government employees (Law 32)	Employer 1.5%; Employee 0.5%	Complete with co-payment GP visit: LE 0.05 Specialist: LE 0.10 Home visit: LE 0.20 Inpatient day: LE 0.25-LE 0.50 Lab test: 25%, maximum of LE 1 Clinic service: 25%, maximum of LE 1 Prescription: LE 1 Prosthetics: 50%	Government employees (Law 79)	Employer 3% Employee 1%	Complete coverage, no co-payments	Public/private sector employees (Law 79)	Employer 3%  Employee 1%	Complete coverage, no co-payments	Pensioners and widows	1% of base pension	Complete coverage, no co-payments	Labor accident cases	Employer 1%	Complete coverage, no co-payments	Students	Student: LE 4	Complete coverage		Cigarette tax: LE 0.10 per packet  Ministry of Finance: LE 12 per student	33% co-payment for drugs for outpatient care. No co-payment for inpatient care and chronic diseases	<p><b>Naglaa</b></p>
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Kidzania	<p>KidZania London is an experience for <b>children 4-14 years old</b> where kids can choose from more 60 different real-life, curriculum-based activities to try and experience. From piloting a British Airways jet to presenting a Capital Radio show. These activities link to <b>National Curriculum</b> learning objectives as shown in the EXAMPLE below:</p> <table> <tr> <th>Subject</th><th>National Curriculum Learning Objectives</th><th>Example KidZania activities</th></tr> <tr> <td>English</td><td>Use discussion in order to learn; pupils should be able to elaborate and explain clearly their understanding and ideas.</td><td>Newspaper Office; Hotel; Employment Office; Radio Station.</td></tr> <tr> <td>Maths</td><td>Solve problems by applying mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering to seek solutions.</td><td>Bank, Department Store; Supermarket.</td></tr> <tr> <td>Science</td><td>Pupils are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.</td><td>Air Conditioning; Chocolate Factory; Dentist; Fruit &amp; Nut Bar Makery; Hospital; Ice Cream Factory; Power Station; Recycling Centre; Science Lab; Smoothie Kitchen.</td></tr> <tr> <td>Art and Design</td><td>Produce creative work, exploring their ideas and recording their experiences.</td><td>Advertising Agency; Fashion Boutique; Garment Recycling Plant; Painting School.</td></tr> </table> <p><b>Ticket prices are categorized as:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard Entry Tickets: 4 Hours</b> <ul style="list-style-type: none"> <li>○ Different ticket prices are assigned per age (child, adult, early years, etc.)</li> </ul> </li> <li>• <b>Family Ticket: 4 Hours</b> <ul style="list-style-type: none"> <li>○ An overall price is assigned to a family with certain number of adults and children</li> </ul> </li> <li>• <b>Group Tickets: 4 Hours</b> <ul style="list-style-type: none"> <li>○ A group booking must consist of a minimum of 10 people. Different prices are assigned to different ages (child, adult, etc.) at <b>different week days (term time/ weekend)</b>.</li> </ul> </li> </ul> <p>Users should book tickets before their day of visit to make sure there are available tickets. Booking information for each user must be stored in the system (user name, contact person, visit date, time, etc.).</p> <p>kids will reap the benefits of the working world by being paid for the activities they undertake with KidZania's very own currency, kidZos. Upon entering KidZania, kids will receive 50 kidZos in cash. Kids will have the choice to use kidZos as either cash or as credit on their debit cards to purchase goods and services at KidZania locations throughout the KidZania nation.</p> <p>For more information, please go to site: <a href="http://london.kidzania.com/en-uk/">http://london.kidzania.com/en-uk/</a></p>	Subject	National Curriculum Learning Objectives	Example KidZania activities	English	Use discussion in order to learn; pupils should be able to elaborate and explain clearly their understanding and ideas.	Newspaper Office; Hotel; Employment Office; Radio Station.	Maths	Solve problems by applying mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering to seek solutions.	Bank, Department Store; Supermarket.	Science	Pupils are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.	Air Conditioning; Chocolate Factory; Dentist; Fruit & Nut Bar Makery; Hospital; Ice Cream Factory; Power Station; Recycling Centre; Science Lab; Smoothie Kitchen.	Art and Design	Produce creative work, exploring their ideas and recording their experiences.	Advertising Agency; Fashion Boutique; Garment Recycling Plant; Painting School.	Naglaa
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<b>Employment Agency</b>	A system for online job search. Anyone can submit his cv and companies in different fields offer jobs with certain specifications. The job system recommends a list of jobs to each applicant and a list of applicants to each job in each company.	<b>Fatma</b>
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<b>Charity</b>	A system that organizes a charity works. The charity organization gives the help in many categories such as money, food, and education .There are many volunteers and donors in the system. There are donors from many regions. There are many jobs for the volunteers. Many volunteers are responsible for each region. The system contains the information about in need persons in each region. Example: Resala.	<b>Fatma</b>
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<b>Event Planner</b>	A system that controls an event from the beginning to the end. There are many event coordinators and clients in the system. There are different types of events in the system such as engagement/wedding, birthday parties. The coordinators meet with clients to work out event details, plan with the client and book locations and food. There is a team of coordinators who is responsible for an event. Each coordinator controls different types of events.	<b>Fatma</b>
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<b>Uber</b>	An online system that connect passengers with drivers. It manages the network of passengers and drivers through mobile application. It pairs passengers and drivers who are heading in the same direction / destination. There are many drivers and passengers in the system. The system chooses the nearest drivers to each passenger who has the same passenger's direction. The system continuously updates the status of drivers and orders. The system calculates the cost for each booking and notice the passenger. The salaries of drivers are calculated by the system.	<b>Fatma</b>
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<b>Nile Cruise Management</b>	A management system that controls Nile tours. There are many Nile tours to different cities. The company has may ships/boats in each cruise. Each trip has group of passengers traveling together. Each ship has a driver. Each tour has an organizer. Trip organizer controls many trips. There are employees from the company attend each trip for providing services through the trip.	<b>Fatma</b>

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Online Hotel Booking	<p>A system that allows the users to:</p> <ul style="list-style-type: none"><li>• Login.</li><li>• View available hotels according to required location and view their details (The data previously specified by the administrators).</li><li>• View available rooms.</li><li>• Make reservation.</li><li>• Cancel an existing reservation.</li></ul>	Nagwa
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Hospital Management System	<ul style="list-style-type: none"><li>• The hospital system supports the different functions required by the users.</li><li>• The database stores data about Doctors, Nurses, patients, Hospital rooms, Labs , Different Tests...etc</li><li>• Patients are admitted to the hospital and assigned to beds, and discharged once their treatment is completed.</li><li>• Patients are treated by doctors and nurses and medications are prescribed for them.</li><li>• Doctors may recommend tests for each patient to be conducted in labs performed by other doctors who are specialists.</li><li>• Each test conducted would show results, which would be tracked.</li></ul>	Nagwa
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Airline Reservation	<p>A system that allows the users to:</p> <ul style="list-style-type: none"><li>• Login.</li><li>• View a list of airlines currently operating in certain location and their details.</li><li>• View available flights according to the chosen location, destination, arrival time and departure time.</li><li>• View available seats with in certain flight.</li><li>• Make reservation.</li><li>• Cancel an existing reservation.</li><li>• The database stores data about different types of airlines, passengers, flights, reservations and the crew of the flight ...etc.</li></ul>	Nagwa
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Sports Academy	<p>A system that enables the users to:</p> <ul style="list-style-type: none"><li>• Login.</li><li>• View available sports and their details.</li><li>• View available training schedules according to the chosen sport that have free spaces available.</li><li>• View available teams for the selected schedule and register as a member in one of them.</li><li>• View information about the assigned trainer for the selected team.</li><li>• The database stores data about different types of sports, members, trainers, training schedules and registered teams ...etc.</li></ul>	Nagwa

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Auto Bus	<p>A transportation company that offers bus tours between all provinces in Egypt. The system should keep all needed information for example but not limited to:</p> <ul style="list-style-type: none"><li>• Buses</li><li>• Drivers</li><li>• Provinces</li><li>• Tours with their schedules</li><li>• Routes (Start, End and stations)</li><li>• Tickets</li></ul>	Nagwa
Project Idea	Project Description	TA
Railway Reservation	<ul style="list-style-type: none"><li>• Passengers can book their tickets for the train in which seats are available.</li><li>• For this, passenger has to provide the desired train number and the date for which ticket is to be booked.</li><li>• Before booking a ticket for a passenger, the validity of train number and booking date is checked.</li><li>• Once the train number and booking date are validated, it is checked whether the seat is available. If yes, the ticket is booked with confirm status and corresponding ticket ID is generated which is stored along with other details of the passenger.</li><li>• After all the available tickets are booked, certain numbers of tickets are booked with waiting status. If waiting lot is also finished, then tickets are not booked and a message of non - availability of seats is displayed.</li><li>• The ticket once booked can be cancelled at any time. For this, the passenger has to provide the ticket ID (the unique key). The ticket ID is searched and the corresponding record is deleted. With this, the first ticket with waiting status also gets confirmed.</li></ul>	Doaa
Project Idea	Project Description	TA
Painting Hire Business System	<ul style="list-style-type: none"><li>• A local businesswoman has decided to start her own Internet business, called Masterpieces Ltd, hiring paintings to private individuals and commercial companies. Design and implement a database to support her new business.</li><li>• The following user requirements were requested.<ul style="list-style-type: none"><li>➢ The system must be able to manage the details of customers, paintings and those paintings currently on hire to customers.</li><li>➢ Customers are categorized as B (bronze), S (silver), G (gold) or P (platinum). These categories entitle a customer to a discount of 0%, 5%, 10% or 15% respectively.</li><li>➢ Customers often request paintings by a particular artist or theme (eg animal, landscape, seascape, naval, still - life, etc).</li><li>➢ Over time a customer may hire the same painting more than once. Each painting is allocated a customer monthly rental price defined by the owner.</li><li>➢ The owner of the painting is then paid 10% of that customer rental price. Any paintings that are not hired within six months are returned to the owner. However, after three months, an owner may resubmit a returned painting.</li><li>➢ Each painting can only have one artist associated with it.</li><li>➢ Several reports are required from the system. Three main ones are:<ol style="list-style-type: none"><li>1. For each customer, a report showing an overview of all the paintings they have hired or are currently hiring</li><li>2. For each artist, a report of all paintings submitted for hire</li><li>3. For each artist, a returns report for those paintings not hired over the past six months.</li></ol></li></ul></li></ul>	Doaa

Project Idea	Project Description	TA
<b>Publishing company Management System</b>	<ul style="list-style-type: none"><li>• A publishing company produces scientific books on various subjects.</li><li>• The books are written by authors who specialize in one particular subject.</li><li>• The company employs editors who, not necessarily being specialists in a particular area, each take sole responsibility for editing one or more publications.</li><li>• A publication covers essentially one of the specialist subjects and is normally written by a single author.</li><li>• When writing a particular book, each author works with on editor, but may submit another work for publication to be supervised by other editors.</li><li>• To improve their competitiveness, the company tries to employ a variety of authors, more than one author being a specialist in a particular subject.</li></ul>	<b>Doaa</b>
Project Idea	Project Description	TA
<b>Car Rental Co-Management System</b>	<ul style="list-style-type: none"><li>• A database is to be designed for a Car Rental Co. (CRC). The information required includes a description of cars, subcontractors (i.e. garages), company expenditures, company revenues and customers.</li><li>• Cars are to be described by such data as: make, model, year of production, engine size, fuel type, number of passengers, registration number, purchase price, purchase date, rent price and insurance details.</li><li>• It is the company policy not to keep any car for a period exceeding one year.</li><li>• All major repairs and maintenance are done by subcontractors (i.e. franchised garages), with whom CRC has long-term agreements. Therefore the data about garages to be kept in the database includes garage names, addresses, range of services and the like.</li><li>• Some garages require payments immediately after a repair has been made; with others CRC has made arrangements for credit facilities.</li><li>• Company expenditures are to be registered for all outgoings connected with purchases, repairs, maintenance, insurance etc. Similarly the cash inflow coming from all sources - car hire, car sales, insurance claims - must be kept of file.</li><li>• CRC maintains a reasonably stable client base. For this privileged category of customers special credit card facilities are provided. These customers may also book in advance a particular car. These reservations can be made for any period of time up to one month.</li><li>• Casual customers must pay a deposit for an estimated time of rental, unless they wish to pay by credit card. All major credit cards care accepted.</li><li>• Personal details (such as name, address, telephone number, driving license, number) about each customer are kept in the database.</li></ul>	<b>Doaa</b>

Project Idea	Project Description	TA
<b>Traffic Fines Management</b>	<p>The Traffic Fine Management System facilitates the management of traffic tickets issued by the Police.</p> <p>Major features of the system include:</p> <ul style="list-style-type: none"><li>• Matching of fines with payments</li><li>• Reporting on outstanding fines</li><li>• Calculation and management of demerit points accumulated against Offenders' driver's licenses</li><li>• Recording of court proceedings related to traffic offences</li><li>• Collection of payments made at the Courts for traffic offences</li><li>• Recording and tracking of warrants issued to traffic offenders.</li></ul>	<b>Doaa</b>
Project Idea	Project Description	TA
<b>Petroleum cards system</b>	<p>Petroleum cards were only printed with the company name, vehicle registration and a signature strip on the reverse. Fuelling sites would verify the company. The system is responsible for: Payment for cards, allow only certain grades of fuel e.g. petrol, petrol &amp; diesel, and petrol, etc based on vehicle type. Also the system limits the number of fuelling transaction for the user. Finally, the system prohibits any fuelling transaction to any vehicle except the vehicle number registered on card.</p> <p>Example system: Smart Card for Petroleum Egypt (SCPE) Face book page.</p>	<b>Noha</b>
Project Idea	Project Description	TA
<b>Health and Wellness System</b>	<p>A system that helps user reach their weight goals through tracking the food they eat and the calories they burn every day. When users register for the system, they enter their current weight and height, their target weight, how many kilos they want to lose per week, and how many days they can work out per week. The system creates a fitness plan for the user and the user can track performance through the system. The system has a huge database of all food items along with its nutritional details and calories. Its also has a huge database of all workouts and how many calories you burn per minute in a specific workout. User enters food intake and workout done every day and system checks if user is on the plan or not.</p> <p>Example system: Myfitnesspal (<a href="http://www.myfitnesspal.com">www.myfitnesspal.com</a>)</p>	<b>Noha</b>