1. **Dynamic Perspective**

**Component and Connector View**

* 1. **Primary presentation:**



* 1. **Element catalog:**
     1. **Elements and their properties**

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| **Elements** | | **Properties** |
| **Client tier** | **Web Browser** | A component that send a request to web server and receive a reply is sent by web server. And then it displays UI to user. |
| **Database Tier** | **Primary Database** | It’s main database server which uses frequently when the system work properly. It’s responsible for store data such as sales data, user data, customer data, store data, product data, and category data. In the certain time, it will synch with temporary database as a backup data. |
| **Backup Database** | It’s a temporary database which uses rarely. It only uses when the system doesn’t work properly, crash or not available. In the certain time, it will synch all data with primary. |
| **Web tier** | **Controller** | The controller is responsible for responding to user input, often making changes to the model in response to user input. And return view to client |
| **Model** | The model that is used to send information to the data access if this request to model need more resourse to perform business calculations. Usually, it performs business calculations as business logic layer. |
| **View** | The view is responsible for providing the user interface (UI) to the user. It is given a reference to the model, and it transforms that model into a format ready to be presented to the user. |
| **IIS 7** | IIS 7 is a major enhancement to the Windows web platform and plays a central role in unifying Microsoft web platform technologies - ASP.NET, Windows Communication Foundation web services, and Windows SharePoint Services.  It handle requests and replies that are send between client tier and server tier. |
| **Data Access** | It receive request from Model and send request to Entities Object Context to get data. And then, Data Access will return information to Model. |
| **Entities Object Context** | This is a component that is generated by entity framework from Database. It receive requests from Data Access to create new, update or delete data from Database. |
| **Entity Framework** | Create data access applications by programming against a conceptual application model instead of programming directly against a relational storage schema. Help developers focus on their application-specific business logic rather than the data access fundamentals. |

* + 1. **Relations and their properties**

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| **Connector** | **Properties** |
| **Request/ Reply** | Connector between client and server style, used by a client to invoke services on a server. |
| **Call return** | Responsible for conveying the service request from the requester to the provider and for returning any results. Use by interface to request data from Filter/Object |
| **Replication** |  |