TypeScript

//

app.ts

```typescript
/// <reference path="greetingpage.ts" />

class Program {
    static Main(): void {
        GreetingPage.Start();
        VisiblePagesController.HideAll();
        ClicksByBtnsController.ObserveAllButtons();
    }
}
```

//

EntitiesDB.ts

```typescript
class Category {
    Id: number = 0;
    Name: string;
}
```

//

GreetingPage.ts

```typescript
/// <reference path="../@types/jquery/index.d.ts" />

class GreetingPage {

    static ClickMoreBtn() {
        return $("#getmore").click(() => { GreetingPage.GetMore() });
    }

    static GetMore() {
        $("#getmore").text("Loading...");
        let link: string = this.GetLink();
        this.GetRequest(link, "GET");
    }

    static GetCategory() {
        return $(".category span strong").text();
    }

    static GetName() {
        return $(".name span strong").text();
    }

    static GetLink(): string {
        return "/api/Events/" + this.GetCategory() + "/" + this.GetName()+"/" + $("#siteEvents
.row").length + "/";
    }

    static GetRequest(link: string, typeRequest: string) {
        $.ajax({
            url: link,
            type: typeRequest,
            success: function (data) {
                this.GetSuccess(data);
            }.bind(this)
        });
    }
```

```typescript
static GetSuccess(data: EventMsg) {
    this.ShowListOfMessage(data.List);
    this.ChooseMore(data.Msg);
}

static ShowListOfMessage(data: TaskVM[]) {
    for (var item of data) {
        var date = item.Date;
        var str = '<div class = "row">' +
            '<div class="col-md-2 col-md-offset-1 s2-column1">' +
            '<h2>' + item.TaskName + '</h2>' +
            '<span>' + item.Name + '</span>' +
            '<span>' + date.toLocaleString() + '</span></div>' +
            '<div class = "col-md-8 s2-column2">' +
            '<p>' + item.Description + '</p></div></div>';

        $("#siteEvents").append(str);
    }
}

static ChooseMore(msg: string) {
    $("#getmore").text(msg);
    var checkMore = $("#getmore").text().toString();

    if (checkMore == "There are no more events") {
        $("#getmore").off("click");
        $("#getmore").css("cursor", "text");
    }
}

static ClickByCategoryItem() {
    $(".categories li a").click(function (event) {
        $(".categories li a").removeClass("selected");
        $(event.target).addClass("selected");
        var category = $(event.target).text();
        $(".category span strong").text(category);
        if ($("#siteEvents .row").length > 0) {
            $("#siteEvents").text("");
        }
        $("#getmore").off("click");
        $("#getmore").on("click", () => { GreetingPage.GetMore() });
        $("#getmore").css("cursor", "pointer");
        GreetingPage.GetMore();
    });
}

static ClickByNameItem() {
    $(".names li a").click(function (event) {
        $(".names li a").removeClass("selected");
        $(event.target).addClass("selected");
        var name = $(event.target).text();
        $(".name span strong").text(name);

        if ($("#siteEvents .row").length > 0) {
            $("#siteEvents").text("");
        }
        $("#getmore").off("click");
        $("#getmore").on("click", () => { GreetingPage.GetMore() });
        $("#getmore").css("cursor", "pointer");
        GreetingPage.GetMore();
    });
}

static ClickByBtnInformation() {
    $(".btn-information").click(function () {
        if ($(".s1").is(":hidden")) {
            $(".s1").show("slow");
```

```javascript
                $(".btn-information").text("hide");
                if (window.matchMedia('(max-width: 480px)').matches) {
                    $(".s2").css("top", "160px");
                    $("footer").css("margin-top", "160px")
                }
                else if (window.matchMedia('(max-width: 768px)').matches) {
                    $(".s2").css("top", "160px");
                    $("footer").css("margin-top", "160px")
                }
            }
            else {
                $(".s1").hide("slow");
                $(".btn-information").text("show");
                if (window.matchMedia('(max-width: 480px)').matches) {
                    $(".s2").css("top", "50px");
                    $("footer").css("margin-top", "50px")
                }
                else if (window.matchMedia('(max-width: 768px)').matches) {
                    $(".s2").css("top", "50px");
                    $("footer").css("margin-top", "50px")
                }
            }
        });
    }

    static ClickByHideShowBtnInformation() {
        if ($(".s1").is(":hidden")) {
            if (window.matchMedia('(min-width: 768px)').matches) {
                $("footer").css("margin-top", "0px")
            }
            else if (window.matchMedia('(max-width: 768px)').matches) {
                $(".s2").css("top", "50px");
                $("footer").css("margin-top", "50px")
            }
            else if (window.matchMedia('(max-width: 480px)').matches) {
                $(".s2").css("top", "50px");
                $("footer").css("margin-top", "50px")
            }
        }
        else {
            if (window.matchMedia('(min-width: 768px)').matches) {
                $("footer").css("margin-top", "0px")
            }
            else if (window.matchMedia('(max-width: 768px)').matches) {
                $(".s2").css("top", "160px");
                $("footer").css("margin-top", "160px")
            }
            else if (window.matchMedia('(max-width: 480px)').matches) {
                $(".s2").css("top", "160px");
                $("footer").css("margin-top", "160px")
            }
        }
    }

    static ResizeWindow() {
        $(window).resize(function () {
            GreetingPage.ClickByHideShowBtnInformation();
        });
    }

    static Start() {
        $().ready(() => {
            this.ClickMoreBtn();
            this.ClickByCategoryItem();
            this.ClickByNameItem();
            this.ClickByBtnInformation();
            this.ResizeWindow();
        });
```

```typescript
        }
    }

    class TaskVM {
        public TaskName: string;
        public Name: string;
        public Description: string;
        public Category: string;
        public Date: Date;
    }

    class EventMsg {
        public Msg: string = "More";

        public List: TaskVM[];
    }

///////////////////////////////////////////////////////////////////////////////////////////////////////////////

VisiblePagesController.ts

    class VisiblePagesController {

        static HideAll() {
            $("#CreateCategoryForm").hide();
            $("#GreetingPage").hide();
        }

        static ShowFormCreateCategory() {
            VisiblePagesController.HideAll();
            if ($("#CreateCategoryForm").is(":hidden")) {
                $("#CreateCategoryForm").show();
            }
        }

        static ShowGreetingPage() {
            VisiblePagesController.HideAll();
            if ($("#GreetingPage").is(":hidden")) {
                $("#GreetingPage").show();
            }
        }
    }

    class ClicksByBtnsController {

        static ObserveAllButtons() {
            this.ClickCreateCategoryBtn();
            this.ClickShowGreetingPageBtn();
        }

        static ClickCreateCategoryBtn() {
            $("#CreateCategoryBtn").on("click", () => { VisiblePagesController.ShowFormCreateCategory(); })
        }

        static ClickShowGreetingPageBtn() {

            $("#ShowGreetingPageBtn").on("click", () => { VisiblePagesController.ShowGreetingPage(); })
        }

    }
```