**Home Loan Management System**

**Team Members**

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| --- | --- |
| **Name** | **Role** |
| Arul Prakasam A | Teamlead |
| SelvaSwaroopa | DB lead |
| Gokul | UI lead |
| SathiyaSeelan | Controller lead |

**Technology Used:**

* Asp.Net Core MVC
* Database-Sql
* EFFramework- DatabasedApproach

**Modules:**

* Admin Module
* Registration Module
* Customer Module
* Calculator Module

**Admin Module:**

**Features:**

* Login
* Document Verification
* Loan Approval

**Registration Module:**

**Features:**

* Registration For Loan
* Create/Edit Loan Form
* Uploading the Document

**Customer Module:**

**Features:**

* Login Module
* Check For Account Balance
* Customer Profile Details
* Loan Tracker
* Logout

**DataBase OverView:**



**Project Task Done By Teammates**

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| --- | --- |
| **Name** | **Task** |
| Arul Prakasam | * Implementation Of Admin module * Implementation Of HomepageLayout * Design Of DashBoard * Styling Of WePage |
| SelvaSwaroopa | * DB Design * Loan Tracking Module * Model Validation * Styling Of WebPage |
| Gokul | * Design Of EMI Calculator * Design Of Loan Eligibility Calculator * Styling Of WebPage |
| SathiyaSeelan | * Design Of User Registration Page * Document Uploading Page * Integrating All the Modules * Styling Of WebPage |

**Project Highlights:**

* **TempData Concept Implementation**

public async Task<IActionResult> Edit(int? id)

{

var incomeDetail = await \_context.IncomeDetails.FindAsync(id);

if (incomeDetail == null)

{

return NotFound();

}

ViewBag.IncomeID = incomeDetail.IncomeId ;

TempData["incomeid"] = incomeDetail.IncomeId;

ViewBag.ApplicationID = TempData["applicationid"];

incomeDetail.ApplicationId = ViewBag.ApplicationID;

TempData.Keep();

return View(incomeDetail);

}

* **Document Upload:**

public async Task<IActionResult> Create([Bind("DocumentId,PanCard,AadharCard,SalarySlip,Loa,Noc,Agreement,DocumentverifiedStatus,ApplicationId,LoanApprovalStatus")] UploadedDocument uploadedDocument,

IFormFile PanUpload,IFormFile AadharUpload, IFormFile SalaryUpload,IFormFile LoaUpload,IFormFile NocUpload, IFormFile AgreementUpload)

{

var pa = Path.GetFullPath(Path.Combine(Directory.GetCurrentDirectory(), "wwwroot/Upload"));

//Pan Card Upload

string panfile = TempData["applicationid"]+"PAN" + Path.GetExtension(PanUpload.FileName);

uploadedDocument.PanCard = "~/Upload/" + panfile;

panfile = Path.Combine(pa, panfile);

using (var stream = new FileStream(panfile, FileMode.Create))

{

await PanUpload.CopyToAsync(stream);

}

//Aadhar Upload

string aadharfile = TempData["applicationid"] + "Aadhar" + Path.GetExtension(AadharUpload.FileName);

uploadedDocument.AadharCard = "~/Upload/" + aadharfile;

aadharfile = Path.Combine(pa, aadharfile);

using (var stream = new FileStream(aadharfile, FileMode.Create))

{

await AadharUpload.CopyToAsync(stream);

}

//Salary Upload

string salaryfile = TempData["applicationid"] + "Salary" + Path.GetExtension(SalaryUpload.FileName);

uploadedDocument.SalarySlip = "~/Upload/" + salaryfile;

salaryfile = Path.Combine(pa, salaryfile);

using (var stream = new FileStream(salaryfile, FileMode.Create))

{

await SalaryUpload.CopyToAsync(stream);

}

//Loa Upload

string loafile = TempData["applicationid"] + "Loa" + Path.GetExtension(LoaUpload.FileName);

uploadedDocument.Loa = "~/Upload/" + loafile;

loafile = Path.Combine(pa, loafile);

using (var stream = new FileStream(loafile, FileMode.Create))

{

await LoaUpload.CopyToAsync(stream);

}

//Noc Upload

string nocfile = TempData["applicationid"] + "Noc" + Path.GetExtension(NocUpload.FileName);

uploadedDocument.Noc = "~/Upload/" + nocfile;

nocfile = Path.Combine(pa, nocfile);

using (var stream = new FileStream(nocfile, FileMode.Create))

{

await NocUpload.CopyToAsync(stream);

}

//Agreement upload

string agreementfile = TempData["applicationid"] + "Agreement" + Path.GetExtension(AgreementUpload.FileName);

uploadedDocument.Agreement = "~/Upload/" + agreementfile;

agreementfile = Path.Combine(pa, agreementfile);

using (var stream = new FileStream(agreementfile, FileMode.Create))

{

await AgreementUpload.CopyToAsync(stream);

}

var uid = (from d in \_context.UploadedDocuments orderby d.DocumentId descending select d.DocumentId).FirstOrDefault();

if (uid == 0)

{

TempData["Docid"] = 9000;

ViewBag.DocumnetID = TempData.Peek("Docid");

}

else

{

TempData["Docid"] = ++uid;

ViewBag.DocumnetID = TempData.Peek("Docid");

}

ViewBag.ApplicationID = TempData["applicationid"];

uploadedDocument.DocumentId = ViewBag.DocumnetID;

uploadedDocument.ApplicationId = ViewBag.ApplicationID;

uploadedDocument.DocumentverifiedStatus = "Sent for Verification";

uploadedDocument.LoanApprovalStatus = "Sent for Approval";

\_context.Add(uploadedDocument);

await \_context.SaveChangesAsync();

return RedirectToAction(nameof(Index));

}

}

}

**HomePage:**



**Customer DashBoard Page:**



Customer DashBoard Design Code:

<style>

body {

font-family: 'Trebuchet MS';

}

.sidenav {

height: 100%;

width: 190px;

position: fixed;

z-index: 1;

top: 0;

left: 0;

background-color: #111;

overflow-x: hidden;

padding-top: 20px;

}

.sidenav a {

padding: 6px 8px 6px 16px;

text-decoration: none;

font-size: 25px;

color:aqua;

display: block;

}

.sidenav a:hover {

background-color:deepskyblue;

color: #f1f1f1;

}

.navbar-brand {

padding: 6px 8px 6px 16px;

text-decoration: none;

font-size: 25px;

color: #818181;

display: block;

}

</style>

</head>

<body>

<header>

<nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-dark bg-danger border-bottom box-shadow mb-3">

<div class="container">

<a class="navbar-brand" **asp-area**="" **asp-controller**="Home" **asp-action**="Index">HOME LOAN</a>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target=".navbar-collapse" aria-controls="navbarSupportedContent"

aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

</div>

</nav>

</header>

<div class="sidenav">

<a **asp-controller**="UserLogin" **asp-action**="Profile" **asp-route-id**="@TempData["userid"]">PROFILE</a>

<a **asp-controller**="UserLogin" **asp-action**="LoanTracker">LOAN TRACKER</a>

<a **asp-controller**="UserLogin" **asp-action**="Login">LOGOUT</a>

</div>

<div class="container">

<main role="main" class="pb-3">

@RenderBody()

</main>

</div>

<footer class="border-top footer text-muted">

<div class="container">

&copy; 2021 - HomeLoan - <a **asp-area**="" **asp-controller**="Home" **asp-action**="Privacy">Privacy</a>

</div>

</footer>

<script src="~/lib/jquery/dist/jquery.min.js"></script>

<script src="~/lib/bootstrap/dist/js/bootstrap.bundle.min.js"></script>

<script **src**="~/js/site.js" **asp-append-version**="true"></script>

@await RenderSectionAsync("Scripts", required: false)

</body>

</html>