WEB BASED SOCIAL NETWORKING SYSTEM

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Abstract- There is a need to build a social networking system that brings knowledgeable likeminded people together. People in the group can share the resource, information; have a discussion, and many more features with an organized and structured way. Group admin can set goals, have target due date to finish up the requirement as schedule specified in the group, and have all the agendas in the calendar block of the group. Resources such as photos, videos, PDF, web links can be uploaded to google drive directly through this application using Google Drive & Picker API. Members of the group can access resources on the Resource tab of that particular group. Discussions on various topics related to the group - Forum type of feature. In the current world we face difficulty in using WhatsApp group to discuss various problems/ topics in organizations and institutions. And people are facing difficulty in managing the stored data (such as documents, pdf, images and other files) using google drive/groups and WhatsApp directly.

INTRODUCTION

This social networking system that allows anyone to create and share online information. It allows users to collaborate, share & communicate. The reason is to gather knowledgeable people and make sure their problems are solved on the daily or monthly basis which they are facing in the career of using technology.

METHODS

System Architecture: As your app grows, you can organize code relevant for a specific feature. This helps apply clear boundaries for features. A module code to a specific feature separate from other kind of code. The application helps with collaboration b/w developers and teams, separating directives, and managing the size of the root module.

Modules: The NgModules differ from JavaScript modules. An Ng Module declares a set of components i.e keen to an application domain, a workflow, or a closely related set of capabilities. An NgModule can relate with code, and the services and to form functional part. An Angular app has root module. UnLike JavaScript modules, NgModules can import other functionality from Ng Modules and allow their own functionality to be used by other Modules as well. The root module which provides the bootstrap mechanism that starts the application.

Components: All Angular application has one component, the root component that connects a component with the document object model (DOM). Each component contains application data and logic, and is associated with an HTML template that defines a view to be displayed in a target environment. The @Component() describes the component-specific metadata.

Templates, directives, and data binding: A template combines HTML and Angular mark-up that can alter HTML elements before they are displayed. Template directives provide the detailed program logic. Binding mark-up connects your application data and Document Object Model. Two types of data binding:
1] Event binding lets your application responds to user input by updating your application data in the target environment.

2] Property binding lets you know values that are computed from application data into the HTML form. Before a view is shown/displayed, Angular evaluates the directives and resolves the binding syntax in the template to modify the HTML elements and the DOM. Angular supports two-way data binding. Those changes in the DOM are also reflected in your program data. An example use pipes to display dates and currency values Angular provides predefined pipes and you can also define your own pipes.

Services and dependency injection: For data/logic that are not associated with a specific view, and that you want to share across components, you need to create a service class. A service class is immediately preceded by the @Injectable(). The decorator provides metadata that allows your service to be injected into client components. Dependency injection (DI) keeps your component classes lean and efficient. They do not fetch data from the server instead validate user input, or log directly to the console or they delegate such tasks to services.

Routing: The Angular Router provides a service. It also define a navigation path among the different application states and view different hierarchies in your app. It is modelled on the similar browser navigation conventions. Enter a URL in the address bar and the browser navigates to a corresponding page. Click links on the page and the browser navigates to a new page. Click the browsers front button and back buttons and the browser navigates backward and forward through the history of pages you've seen. Instead of pages the router maps on to url paths to view.
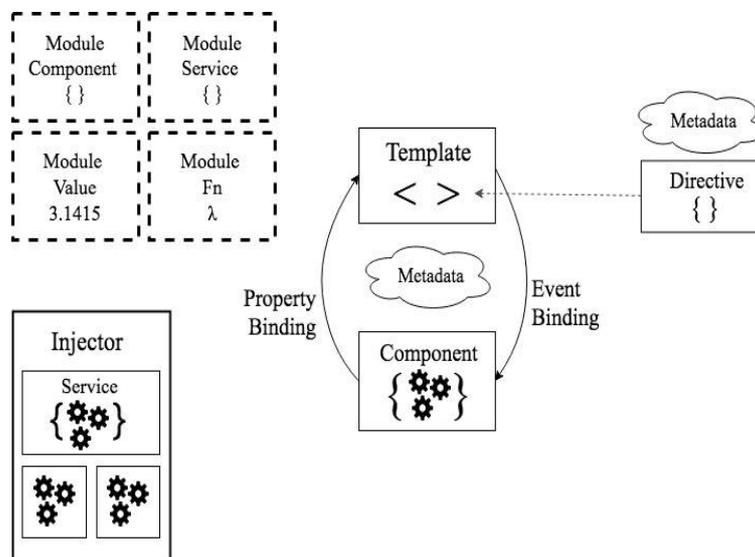
Design

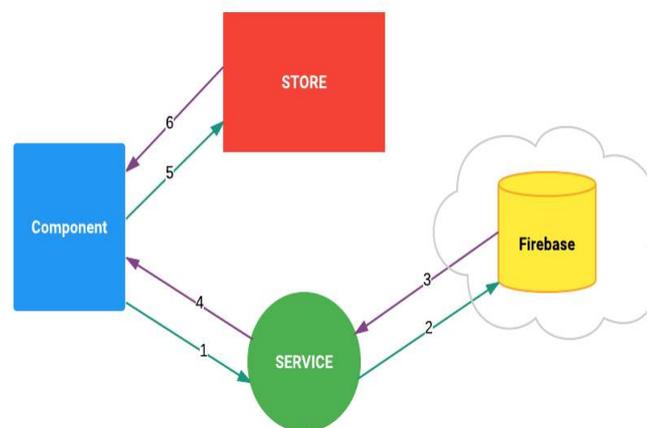Figure 1: Main building blocks of an Angular Application

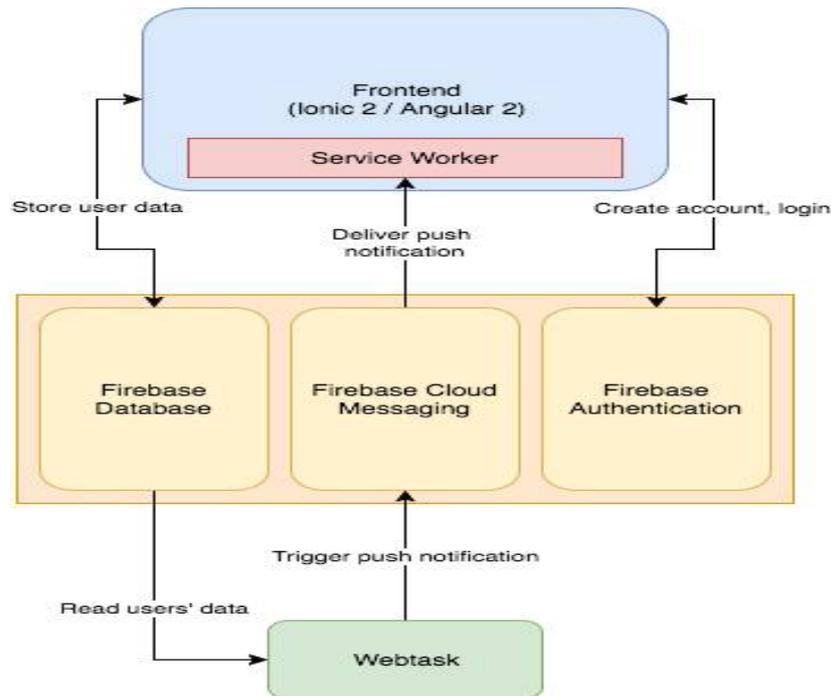Figure 2: Firebase Basic Architecture
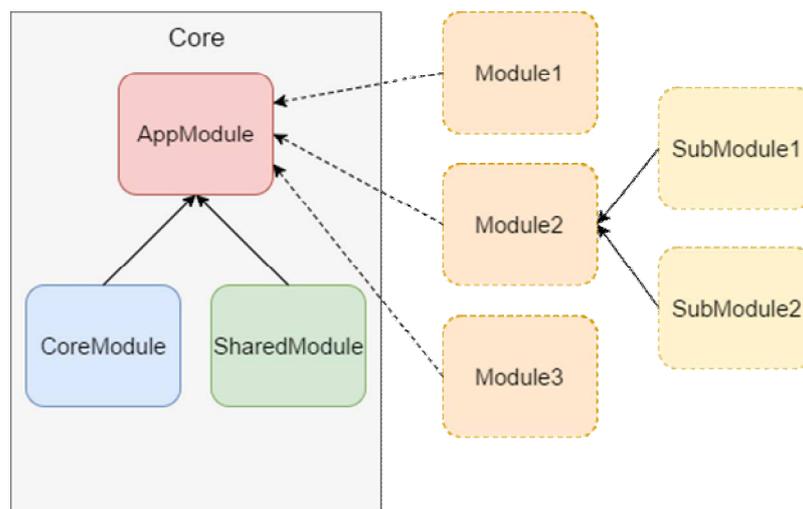
Figure 3: Angular and Firebase Connection

Figure 4: Angular Architecture

Existing System

WhatsApp Messenger is a freeware and cross-platform messaging . It also has a Voice over IP (VoIP) service owned by Facebook. The application allows ease of sending of text messages and voice calls, as well as video calls, images and other media related documents, and user location. The application runs both in a mobile device and also accessible from desktop computers; the service requires consumer users to provide a standard cellular mobile number. Google Drive is a file storage also as a synchronization service. Google Drive allows users to store files on their servers, synchronize files across devices, and also has capability to share files. Google Drive offers with offline capabilities for Windows and macOS computers, and Android and iOS smartphones and tablets.

Proposed System

Group admin can set goals, have target due date to finish up the requirement as schedule specified in the group, and have all the agendas in the calendar block of the group. Resources such as photos, videos, PDF, web links can be uploaded to google drive directly through this application using Google Drive & Picker API. Members of the group can access resources on the Resource tab of that particular group. Discussions on various topic related to the group - Forum type of feature.

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Results

A good feature for teachers to use in classroom discussions because it helps them utilize the vast store of information available on the Web. Application helps managers to manage in team meetings, for conference organizers to update attendances and for business people to use as a means of interacting with clients or prospects.

CONCLUSION

Bringing like-minded people together with organized way is very helpful to have a system like explained in our project. This helps the institute, corporate world, and many more organizations to efficient way approach to manage information, resources, target due date, and many more in a single application. When you think of participating in a social network community, you can pick and choose individuals whose likes and dislikes are similar to yours and build your network around those commonalities. It can also be a great way to share tips and ideas. Sites like Pinterest have been successful. The reason due to the which a person can learn in ease - and share information about hobbies, crafts, cooking, gardening and other activities. By adding and sharing group code with people, you can attract like-minded individuals into your circle.

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