4+1 Views

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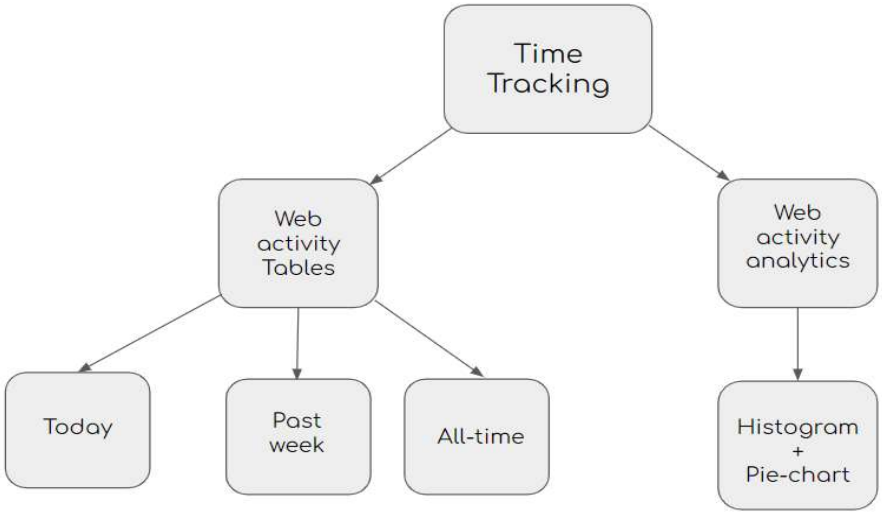
User Scenario 1:

- Main part of our extension will be that the user will be able to see the analytics of his/her web activities.

Logical View:



- The logical view, also known as the module view or the component view, is concerned with the functionality that the system provides the user.

Our Modules for this User Scenario will be:

- **Activity Table:** Consists of components like
    - Today,
    - All-Time,
    - By-days activity analytics.

- **Activity Analytics:** Consists of components (with visuals) like
    - For visual analytics, both histogram and pie chart will be shown.
    - Where the time-frame can be for one day, one week, one month and all time.

Process View:

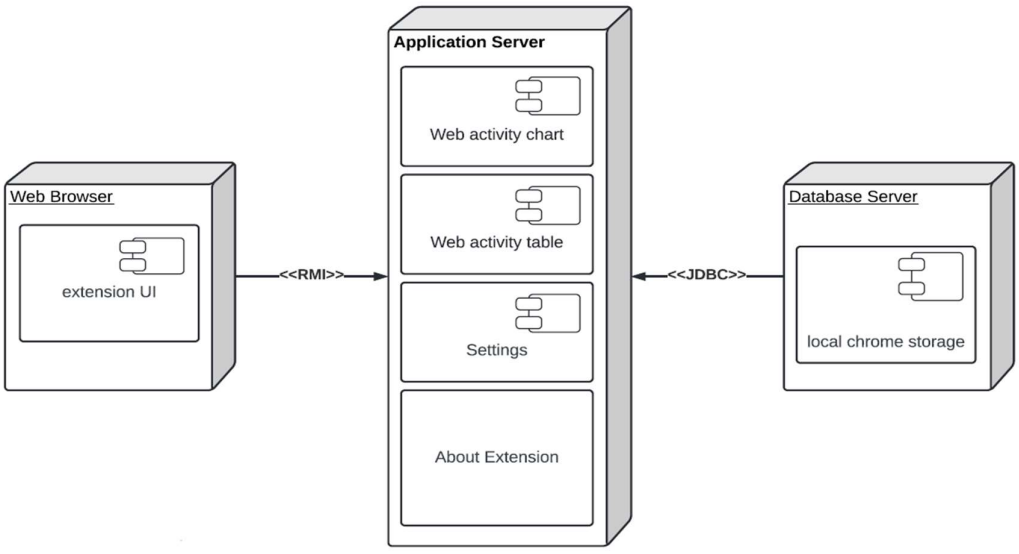
- This view deals with the internal workings of the system. It details how different processes work and how they communicate with one another.

  For this user scenario:

- The extension uses only local chrome.storage API to store data and it doesn't send data anywhere.
- The data is stored in the local chrome.storage API and is then used to create the visuals and present tabular data along with graphs to the user.

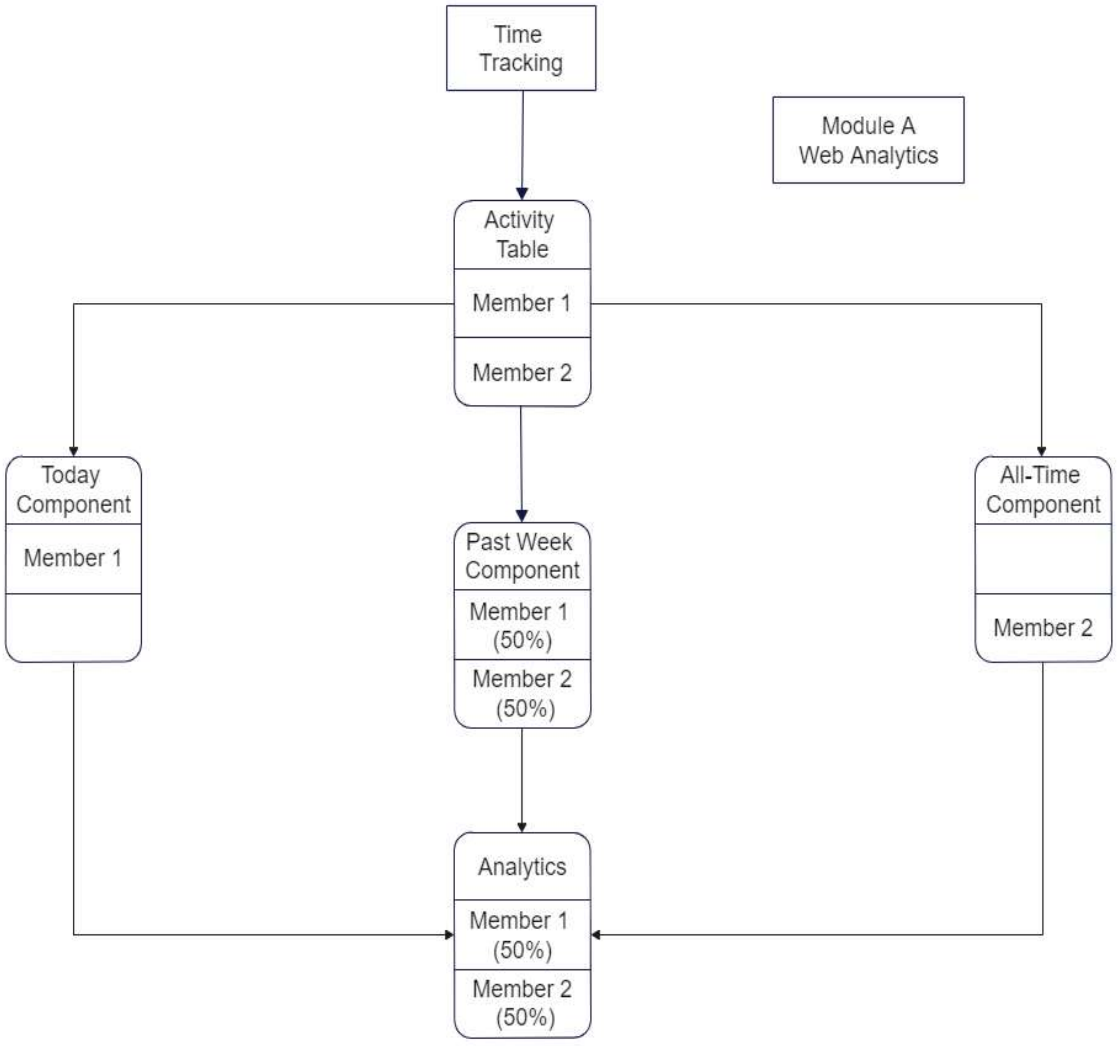
Physical/ Deployment View:

- The physical view portrays the system from the perspective of a system engineer. The physical layer, it is concerned with the topology of software components as well as the physical connections between these components. The deployment view is another name for this view. Below figure represents the Physical View of our extension for the user scenario 1.



Development View:

- The development view is concerned with the software management side of the project. It gives us information regarding the distribution of work on different modules. The below figure represents the development view of our extension for the user scenario 1.



User scenario 2 :

- The second user scenario will focus on customization and settings of a web extension. Like user can set timers and limits for particular websites, user can also set notifications to get notified if he/she has exceeded the time limit set for a particular website, user can customize the extension as he/she wants like changing theme, avoid particular web activities etc.

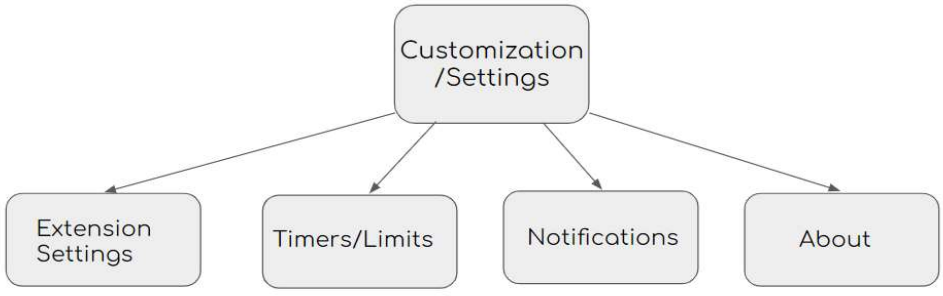
Logical View:

Our Modules for this User Scenario will be:

- **Extension settings:** Consists of components like**,**
  - Dark theme/light theme option.
  - Enable user to clear all existing data.

- **Timers/Limits:** Consists of components like
  - Daily restriction for particular websites.
  - Ignore list of websites. (It will not track these websites)

- **Notifications :** Consists of components like
  - Apply time limits for some websites, so that after that time has been spent on those websites, the user can be notified.



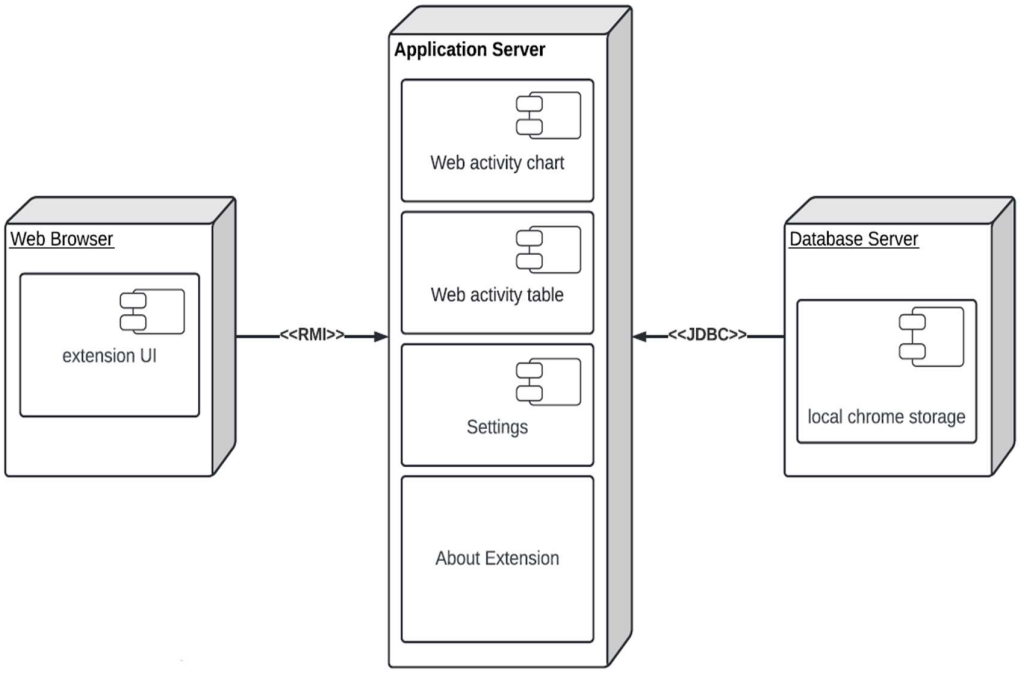
Process View:

- The data of Websites that are in the 'Ignore List' of the extension will not be fetched from the chrome extension.

- The extension will keep a counter on the time spent on a particular website and it will give an asynchronous call to block the website when the time set by the user for that particular website is over.

Physical/ Deployment View:

- The physical view portrays the system from the perspective of a system engineer. The physical layer, it is concerned with the topology of software components as well as the physical connections between these components. The deployment view is another name for this view. Below figure represents the Physical View of our extension for the user scenario 2.



Development View: