**System requirements**

Functional:

- the system shall request glasses catalog page.

- the system shall collect all glasses data from catalog as detailed:

Glasses Name

Glasses ID

Glasses dimention (Frame Width, Lens Width, Bridge, Temple Length, Lens Height, Frame Weight)

Glasses image (clean with transparent background)

- the system shall locate each glasses data from html.

- the system shall save the glasses data and image in storage.

- the system shall find regularity in glasses front image link.

- the system shall create parsed links with each glasses data and temporarily save it.

- the system shall loop through all parsed links.

- the system shall download image.

- the system shall check if there is enough disk space for the image.

- the system shall save the image to storage.

- the system shall name the image with the corresponding data.

- the system shall save the data with the image path to database.

- the system shall display a report of the corresponding id of each download and its status.

Non-functional:

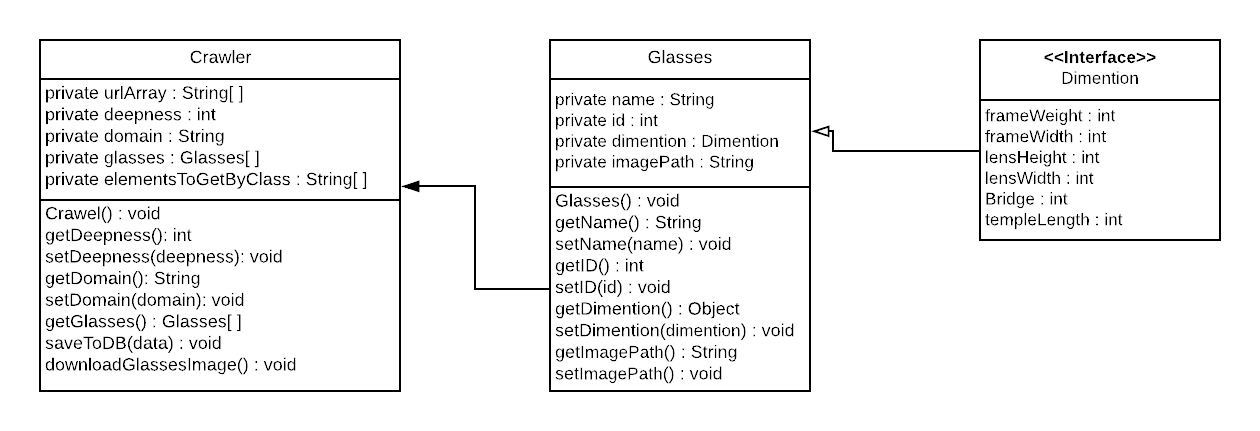
- the system shall not load unnecessary files css, js, images.

- The system shall behave as legitimate houman user to avoid banning by the site.

- the looping through 'parsed links' operation shall be done in a different thread.

- the 'download image' operation shall be done in the corresponding parsed link thread.

- the system shall be writen in c#.

**Design**