

assignment 4&5 Section 6

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1. BRACU-Crawler is a pilot project designed to crawl BD sites only. First, the Initiate crawler module provides current status of URL queue to the Schedule policy module and receives policy map and crawling threshold number. Until a threshold reached flag is received from the Fetch URL module, Crawler receives a link from Fetch URL module. It then retrieves a new page by providing page link to the Fetch site page module. This page is then sent to the Extract URL module and it returns a set of newly extracted links to the Crawler. In order to do that, Extract URL module first generates raw links using Parse raw links module and sends those to the Filter Valid links module. Filter valid links module returns only the URLs that Crawler should crawl in the future. After receiving the filtered links, Extract URL module formats the links using a library module called Format link and finally sends these filtered-formatted links to the Crawler. Based on the policy map, Crawler can either add the links to the Update URL queue module which is an off-page connector or dispatch to the Reschedule policy module which is an on-page connector.

Design a structure chart based on the above information.

2. Bangladesh Cricket Board (BCB) has decided to **design a Windows Navigation diagram** to monitor cricketers. They have hired you and given you the following instruction.

1. Only the board official will be allowed to access this mobile app.
2. After logging in officials should be able to access a list of all players currently in a contract with BCB.
3. If they click on a name, it should redirect them to a page. The page should contain statistical information regarding that player. For example, if they click on Shakib Al Hasan, your app should display Shakib-Al-Hasan's stat.
4. Officials should be able to find a list of top 10 batsman by clicking a button
5. Officials should be able to find a list of top 10 bowler by clicking a button
6. Officials should be able to find a list of top 10 fielder by clicking a button
7. Official should be able to find the best playing eleven by clicking a button
8. Officials should also be able to see the upcoming series of Bangladesh Cricket Team as well What you have to keep in mind is that all the pages created for this application should be interlinked to the player's info page.