When we are thinking about this idea, we found it is hard to verify news is fake or not on social media, and we need some help from different sources to identify fake news like knowledge or picture.

So, we set the news detective project to achieve some goals in which people can judge the news they prefer and report the news around them. If people can involve news production by judging the news, they will think it is a better app than most news app people are using now which there are a few news apps that can give the user a chance to judge the news.

For some work that relates to our project, politiface.com gives us some idea of voting news, and we also looked at traditional news media like app for CBC news. Social media is a valuable reference to make more people involve news judgment.

There are limitations to all references we checked. The traditional news media limit the news source to a few reporters. For the social media, too many fake information and limited punishment for rumor are the problems, and news on social media is not organized which user is hard on reading and identify the news is fake or not.

For key user research, we found two-third of the interviewees want a fake news restriction on news media.

As one of the interviewees, john, he is a student at UVic, and he has to stay at home due to COVID-19, so he spent a lot of time on smartphones. He read COVID-19 news on social media like Facebook and Weibo, and he found there is too much misleading information about COVID-19 like the mask is helpless on COVID-19. He wants a reliable news media to get news around him that he can figure out the situation on Vancouver Island.

For our prototype, we make some changes that users give the most feedback. First, there are explanations for function in the toolbar to fit the affordances principle, for most users do not know the icon means.

In our credibility detail interface, we remove the hard understand chart of credibility and replace the help icon by word. This change makes help document discoverable, and we think it is easier to read a sentence than guessing the feature of the icon.

For the news page. We change the vote button of the voting paragraph, to avoid the misleading of voting paragraphs and voting for overall news. We also change the color of the comment to make it easier recognized. Last, there is a “press to see why” sentence to guild users that fit the affordance principle.