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Given a square-free monomial ideal  $I$ , there are two natural ways to associate to  $I$  a simplicial complex. The first way is the non-face construction of Stanley-Reisner to create the non-face simplicial complex  $\delta_{\mathcal{N}}(I)$ . The second way is the construction of Faridi to create the facet simplicial complex  $\delta_{\mathcal{F}}(I)$ . Following Abbasi, Ahmad, Anwar, and Baig, we say that  $I$  is an  $f$ -ideal if these two simplicial complexes have the same  $f$ -vector. We will summarize some of the known results and present some new results on  $f$ -ideals. This is based upon joint work with Sam Budd. (Received January 12, 2018)