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In the theory of uniform algebra, point derivation and Gleason part are two fundamental notions. It is well-known how both these notions are related to other important notions, namely, peak point and isolated point (in the dual space norm). However, the direct relation between point derivation and Gleason part is not known in general. In this talk, we will explore their relation. We will first construct a uniform algebra with a nontrivial Gleason part but with no nonzero point derivations. We will then construct a uniform algebra with a nonzero point derivation but with no nontrivial Gleason parts. (Received September 26, 2017)