Topic of this thesis is max rings, which are the rings, whose nonzero modules have maximal submodules. At the begining we prove a characterization of commutative max rings as rings with T-nilpotent Jacobson radical and von Neumann regular factor ring of the Jacobson radical. Our next concern are group rings, where we describe all commutative group rings, that are max. These are the group rings, that are composed from a commutative max ring and an abelian torsion group, where is finitely many elements of order p^n for p not invertible in the ring. Finally we use this characterization to construct noncommutative group rings, which are max but not perfect.